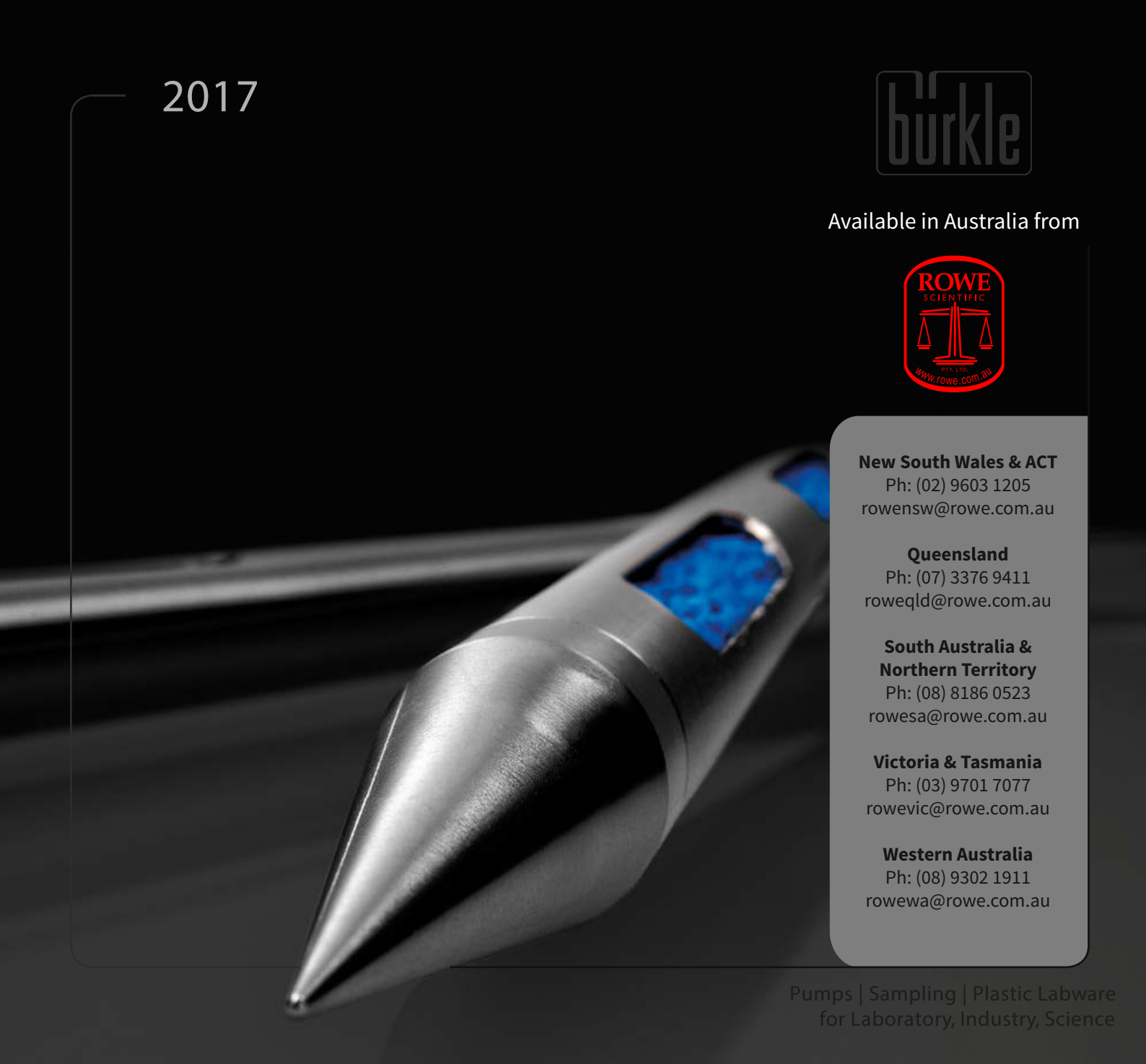
2017



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Pumps | Sampling | Plastic Labware
for Laboratory, Industry, Science

What's new?

Samplers for foodstuffs (from p. 128)

Detectable samplers (from p. 130)

Scrapers (p. 146)

Micro-spatula and spoon spatula (p. 136)

DispoLadle (p. 119)

SteriBag Premium/ SteriPlast Kit (p. 134)

Funnel stands (from p. 213)

Pipette stand (p. 227)

Already discovered?

Our new website www.buerkle.de is online.

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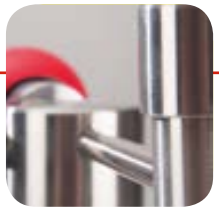


Pumps

Pumps, stop cocks, dosing machines

Fill off liquids – but do it safely

Safety is the top priority

Dangerous liquids must never be filled off by directly pouring them out. Even the use of a funnel does not provide the required degree of safety when bottling dangerous liquids.

- Increased accident risk by slipping on dirty floors.
- Skin diseases or poisoning by spilt chemicals.
- Health hazard from harmful vapours.

Safety during bottling must be the number one priority – for your own personal protection!

This means that purchasing a suitable pump for filling off hazardous liquids is an investment in the safety and health of your employees which pays for itself in a very short time.

Choosing the right pump

Apart from the size and type of the container, the required pump capacity and the suitability of the pump for the particular medium are important considerations for choosing the right pump. The pump does not only have to be resistant to the medium to be bottled, but specific occupational safety and environmental protection regulations must also be considered.

Pump capacity

Electric pumps are the first choice for filling off large quantities at a fixed location. Their higher pumping capacity saves times and requires less manual effort. However, the purchase of an expensive electric barrel pump does not always pay for itself; there is often no on-site mains supply, e.g. in the open air, during assembly or in the equipment storage facility. Manual pumps are an interesting alternative to electric pumps for filling off small quantities due to their independence from a power supply and because they mean value for money.

Bürkle offers a wide range of pumping devices for manually removing liquids from containers, canisters, drums and tanks.

Container size and container type

Pumps that work according to the excess pressure principle are suitable for filling off the required quantities from canisters and small drums up to a capacity of approx. 60 litres. Air is pumped into the container using a pumping ball or pumping piston. This creates excess pressure in the container and the liquid is transported out via the immersion tube.

Barrel pumps are suitable for larger barrels and open containers. They draw in the liquid and then eject it. This family of pumps is characterised by their robust construction with a good pumping capacity and simple handling. Different immersion tube lengths mean

that the pumps fit all the usual commercially available containers. Low-mounted suction valves ensure that almost all the residual liquid is removed.

Container connections

In contrast to metal drums, which usually have an R2" fine thread, there are no standard connection threads for plastic drums. There are basically two different ways of attaching the pump to the drum or container. On the one hand, the pump can be screwed onto the existing container thread using a barrel screw joint, possibly in combination with an adapter. On the other hand, universal solutions such as conical drum stoppers can be used.

Materials

The most suitable pumps are robust industrial pumps made from top-quality materials such as polypropylene (PP) for acids and alkalis, or stainless steel V2A (1.4301) for flammable liquids. We always recommend the use of PTFE seals. Always check that the material is resistant to the medium to be pumped.
In many cases, a check against the chemical resistance list will help.

Caution with filling aids

Plastic siphons are a cost-effective alternative to mechanical pumps. Siphons are easy-to-use devices for safely filling off liquids from a higher container into a lower one. However, using them for aggressive or flammable liquids cannot be recommended. The pump bellows could be affected by acids and become brittle.

Acids and alkalis

Acids, alkalis and detergents can be safely handled by plastic pumps made of PP or PVDF. Bürkle offers many plastic pumps with both rigid discharge pipes and also with discharge tubing and shut-off valve for filling containers which are further away or higher up. When handling corrosive or aggressive liquids, the user must take appropriate precautions. Protective clothing such as gloves, goggles, aprons and face masks is essential.

Flammable liquids

Filling off flammable liquids requires special precautionary measures. It is essential that filling devices for flammable liquids are made of conductive materials. It is essential that any electrostatic charges formed are eliminated completely and without forming sparks. Stainless steel barrel pumps meet these requirements when the electrostatic charges are eliminated by using the Anti-static set.

Gas-tight bottling

With volatile media, such as acetone or ammonia, hazardous vapours are formed in the container. Their evaporation into the working environment and the risk to the user can be reduced by using a gas-tight barrel connector. With particularly toxic, noxious and readily volatile media, a closed filling system with a gas-shuttle pipe is essential. In this method, the gases displaced from the container are returned directly into the original container. The harmful gases remain in the system; the greatest possible degree of safety during filling off is guaranteed.

Foodstuffs

If foodstuffs are to be filled off, then it must be ensured that the materials used are physiologically harmless. Materials such as stainless steel, polypropylene or PTFE, which also have a neutral taste and odour, can be recommended. Furthermore, the pump must be easy to clean.

Any questions?

We will be happy to advise you. Talk to us - telephone +49 7635 82795-0, or send an email to info@buerkle.de.

Overview pumps

	Page	Liquids	Pastes	Gases	Acids and caustic solutions	Acids and caustic solutions, weak	Mineral oils, Diesel etc.	Petrochemicals	Pharmaceuticals/cosmetics	Solvents, not flammable	Solvents, flammable	Flammable liquids	Foodstuffs	Water	Dosing pumps	Gastight decanting	Bottles up to 2 liters	Canisters up to 20 liters	Laboratory barrels 10/25 liters	Containers up to 60 liters	Barrels up to 220 liters	Open containers/tanks	Conveying capacity l/min	Conveying capacity l/ stroke
OTAL® liquid transfer pumps	8	x			x	x		x	x	x			x	x			x	x	x	x			4	
OTAL® mini pump	11	x			x	x		x	x				x	x			x	x	x				4	
OTAL® battery pump	11,13	x				x								x				x	x				5	
Pump-it® container pump	14	x				x		x						x				x	x	x			12-26	
PumpMaster for chemical liquids	15	x			x	x			x					x				x	x	x			8	
PumpMaster for petrochemical liquids	15	x					x	x	x					x				x	x	x			8	
PumpMaster container and barrel pump	15	x							x					x				x	x	x			8	
Dosi-Pump	16	x				x			x				x	x	x		x	x	x					4-250
Barrel pump Ultrapure in PTFE	17	x			x	x		x	x					x				x	x	x	x	x		300-400
Barrel pump in PP	18	x			x	x			x				x	x				x	x	x	x	x	12	200-300
Stainless steel barrel pump	20	x					x	x	x		x	x	x	x		x		x	x	x	x		9-22	220-560
Solvent pump Mini	22	x					x	x	x		x	x	x	x		x	x						1.8	
Solvent pump foot operated	24	x					x	x	x		x	x	x	x		x			x	x	x		30	
Solvent pump hand operated	25	x					x	x	x		x	x	x	x		x		x	x	x			10	
Anti-static set	26										x	x												
Gas-tight barrel pump in stainless steel	30	x					x	x			x	x		x		x		x	x	x	x			350-560
Gas-tight barrel pump in PP	30	x			x	x								x		x		x	x	x				200
Rotary piston pump	31	x					x	x		x		x		x						x	x		30-40	
Lever pump	32	x				x	x	x						x				x	x	x	x	x		350
Compact lever pump	33	x				x								x						x	x			300
Piston pump	33	x				x	x	x						x						x	x			450
Barrel pumps AccuOne and EnergyOne	34	x			x	x			x					x				x	x	x	x	x	0.4-12	
Laboratory pump mains operated	36	x			x	x			x					x						x	x	x	40-65	
Electric barrel pump petro	37	x					x	x				x									x	x	40	
Drum pump for concentrated acids and alkalis	38	x			x	x			x					x							x	x	80	
Drum pump for slight acids and alkalis	38	x				x			x					x							x	x	85	
Drum pump for mineral oils	39	x					x	x				x		x							x	x	85	
Double-diaphragm pump	40	x			x	x		x						x									16	
Magnetic centrifugal pump	41	x			x	x								x									12-24	
Membrane vacuum pump	41	x		x																			16	
Siphon	42	x				x		x					x	x				x	x	x	x	x	9	
Stop-cocks and ball valves	43	x			x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x		
Barrel valve	51	x																			x			
LiquoFill	52	x						x	x				x	x	x			x	x	x	x	x		8-500
PastoFill	54		x						x				x		x									10-260

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"! Errors and omissions excepted.

OTAL® liquid transfer pumps | filling off liquids quickly, safely and cleanly

The OTAL® pump program has been on the market for 65 years. The pumps are popular and appreciated thanks to their easy handling in daily use.
Thanks to the simple stopper system, OTAL® pumps can be used for all common containers. The OTAL® Mini allows even very small containers to be filled.

Only the tube comes into contact with the liquid when OTAL® pumps are used, so that a great deal of liquid can be filled off using the tube materials PP, PVDF and stainless steel AISI 304 (1.4301). The different tube diameters make individual adjustments to required transfer volumes possible.
The OTAL® foot pump has another great advantage, particularly when filling aggressive media. It is designed so that both hands are free during the pumping process.

- Optionally available as a foot or hand pump
- Universal bungs for container openings of 30 – 70 mm diameter
- Tubes made of PP, PVDF or stainless steel AISI 304 (1.4301) for different liquids

The bung has to fit!
Filling with the proven OTAL® pumps is particularly easy as the liquid is forced out of the container by the excess air pressure. The liquid flow is steady, without pulsating. However, it is important that the connection between the pump and the container is airtight. This is ensured by the universal bung made of soft PVC.
The universal bung consists of 3 parts, a conical centre (1) and 2 conical sleeves (2 and 3) which can be moved up and down the conical centre. This means that it is possible to obtain an airtight seal between OTAL® pumps and container openings with a diameter of 30 to 70 mm.

⚠ Instructions for use and safety information must be complied with. Protective clothing must be worn. See pages 56 - 59.

OTAL® hand pumps | to fit most commercial storage drums

The telescopic immersion tube adapts itself to the container height on insertion. This ensures good removal of residual liquid and means that the hand pump can be used with different containers.

- Particularly compact, space-saving hand pump
- Good pump capacity
- With universal bungs made of soft PVC, for container openings of 30 - 70 mm Ø

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

OTAL® hand pumps | to fit most commercial storage drums

① OTAL® hand pump made of PP
OTAL® hand pumps with PP delivery tubes, resistant to weak acids, alkalis and detergents.

② OTAL® hand pump made of PVDF
OTAL® hand pump with PVDF delivery tubes, particularly suitable for acids and alkalis, not for heavily oxidising acids and alkalis. With its special material properties, PVDF has an even better chemical resistance than PP. Resistant to chlorine bleach.

③ OTAL® hand pump made of stainless steel
OTAL® hand pump with delivery tubes made of stainless steel AISI 304 (1.4301) for liquids that are not easily combustible in Hazard Category AIII (VbF). The OTAL® PP or PVDF hand pump should be used for caustic media.

④ OTAL® hand pump with hose and stopcock
OTAL® hand pump with hose and tap with discharge hose with a length of 1.5 m made of PVC and PP/PE stopcock, delivery tube made of PP. The discharge hose is particularly suited to fill distant containers.

⑤ OTAL® mini pump made of PP
OTAL® PP mini pump with delivery tubes made of PP and universal bungs made of soft PVC.

- For small containers, ideal for containers up to 10 litres
- With universal bungs for container openings of 20 - 36 mm Ø

⑥ OTAL® battery-pump
OTAL® pump for safe filling of car batteries with acid or distilled water.

- With hose shutoff valve
- With dosing tip for precise filling

	OTAL® hand pump								
	Pump capacity approx. l/min	Tube Ø mm	Delivery tube material	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
①	14	12	PP	70		10		5005-1200	N4
①	20	15	PP	70		10		5005-1500	N4
①	26	18	PP	70		10		5005-1800	N4
②	20	16	PVDF	70		10		5005-3000	N4

	OTAL® hand pump								
	Pump capacity approx. l/min	Tube Ø mm	Delivery tube material	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
③	26	18	AISI 304	90		10		5005-4000	N4
④	12	12	PP/PVC	70		10		5005-6000	N4
⑤	4	10	PP	45		10		5005-1000	N4
⑥	5	12	PP/PVC	70		10		5005-7000	N4

OTAL® foot pumps | high performance, sturdy, for industrial use

The telescopic immersion tube adapts itself to the container height on insertion of the foot pump. This ensures good removal of residual liquid and means that the foot pump can be used with different containers.

- Simple handling: Both hands remain free for filling
- Very good pump capacity due to large volume foot bellows
- With universal bungs made of soft PVC, for container openings of 30 - 70 mm Ø

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

OTAL® foot pumps | high performance, sturdy, for industrial use

① OTAL® foot pump made of PP
OTAL® foot pumps with delivery tubes made of PP, resistant to weak acids, alkalis and detergents.

② OTAL® foot pump made of PVDF
OTAL® foot pump with delivery tubes made of PVDF, particularly for acids and alkalis, not for heavily oxidising acids and alkalis. Resistant to chlorine bleach. With its special material properties, PVDF has an even better chemical resistance than PP.

③ OTAL® foot pump made of stainless steel
OTAL® foot pump made of stainless steel AISI 304 (1.4301), with delivery tubes made of stainless steel for liquids that are not easily combustible in Hazard Category AIII (VbF).

④ OTAL® foot pump with hose and stopcock
OTAL® foot pump with hose and tap with delivery tubes made of PP and a 1.5 m discharge hose made of PVC with stopcock made of PP/PE Ø 10 mm.

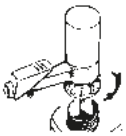
⑤ OTAL® battery-pump
OTAL® pump for safe filling of car batteries with acid or distilled water.

① OTAL® foot pump made of PP

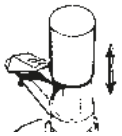
Pump capacity approx. l/min	Tube Ø mm	Delivery tube material	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
20	15	PP	70		10		5000-1500	N4
26	18	PP	70		10		5000-1800	N4
30	22	PP	90		10		5000-2200	N4

	Pump capacity approx. l/min	Tube Ø mm	Delivery tube material	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
②	20	16	PVDF	70		10		5000-4016	N4
③	26	18	AISI 304	90		10		5000-5018	N4
④	12	12	PP/PVC	70		10		5000-3012	N4
⑤	5	12	PP/PVC	70		10		5000-6000	N4

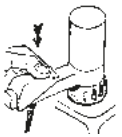
Pump-it® container pump



Screw Pump-it® onto container



Pump air into container



Draw off liquid with Pump-it®

Pump-it® canister pumps are designed for quickly and cleanly emptying canisters and small barrels up to 60 l. The hand pump is used to create excess pressure that forces the liquid out of the canister. Pump-it® is suitable for weak acids, alkalis and petrochemicals.

- Medium-contacting parts made of PP, PE and FKM
- Pump threads suitable for container threads 64 mm Ø (BSI)
- Exact dosing, no drips
- Container completely emptied, thanks to stepless length adjustment of immersion tube

⚠ Not suitable for hydrochloric acid! Make sure to pay attention to the "List of Chemical Resistance"!

Pump-it® container pump

Material	Immersion depth cm	Pump capacity approx. l/min	Price €	Quantity scale from	Scale price €	Item no.	
PP/FKM	100	8		10		5201-1000	N4

Accessories

Description	Price €	Item no.	
Adapter set Pump-it® consisting of: 0600-3002, -3003, -3004, -1014, -1016		5201-0030	N4
Thread adapters PP outer/outer 2" coarse thread Mauser - 64 mm (BSI)		0600-3004	N4
Thread adapters PP outer/outer 2" coarse thread Tri-Sure - 64 mm (BSI)		0600-3002	N4
Thread adapters PP outer/outer 2" BSP - 64 mm (BSI)		0600-3003	N4
Thread adapters PP outer/inner 64 mm (BSI) - DIN 60		0600-1014	N4
Thread adapters PP outer/inner 64 mm (BSI) - DIN 51		0600-1016	N4
Thread adapters PP outer/inner 64 mm (BSI) - DIN 61		0600-1013	N4
Thread adapters PP outer/inner 64 mm (BSI) - DIN 71		0600-1001	N4
For more adapters, see page 28			

Adapter set Pump-it®

Thread adapter set for Pump-it® canister pump consisting of:

- Adapter outer/outer, 2" coarse Mauser - 64 mm (BSI), green
- Adapter outer/outer, 2" coarse TriSure - 64 mm (BSI), brown
- Adapter outer/outer, 2" BSP - 64 mm (BSI), blue
- Adapter outer/inner, 64 mm (BSI) - DIN 60, black
- Adapter outer/inner, 64 mm (BSI) - DIN 51, black

Adapter set Pump-it®

Price €	Quantity scale from	Scale price €	Item no.	
	10		5201-0030	N4

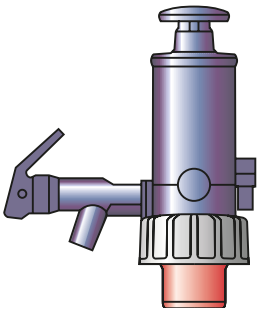
See page 28

PumpMaster container pumps | flexible, for universal use

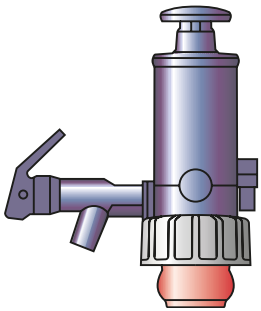
The manual pressure pump is ideally suited for drawing off, decanting and emptying canisters and barrels. The hand pump is used to create excess pressure that forces the liquid out of the container. The stopcock also allows extraction of small quantities of liquid. The PumpMaster container pump is mounted on the container using a flexible stopper with a variable and adjustable diameter. No special thread adapters are required. PumpMaster fits all commercial container openings with a diameter from 46.5 mm to 60 mm. The immersion tube has a length of 95 cm and it can be shortened depending on the size of the container.

- Complete with three bungs in different sizes

⚠ Make sure to pay attention to the "List of Chemical Resistance"!



PumpMaster canister barrel pump stopper released



PumpMaster canister barrel pump stopper expanded

Various stoppers for PumpMaster

PumpMaster container pump for petrochemical liquids

Gaskets	Material	Colour	Pump capacity approx. l/min	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
nitrile rubber	PP/PE	blue grey	8	95		10		5202-3000	N4

Accessories

Description	Price €	Item no.	
Discharge hose with shut-off valve for PumpMaster for petrochemical liquids		5202-3001	N4

PumpMaster container pump for non-aggressive liquids

Gaskets	Material	Colour	Pump capacity approx. l/min	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
EPDM	PP/PE	red	8	95		10		5202-2000	N4

Accessories

Description	Price €	Item no.	
Discharge hose with shut-off valve for PumpMaster for aqueous liquids		5202-2001	N4

PumpMaster for acids and chemical liquids

Gaskets	Material	Colour	Pump capacity approx. l/min	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
FKM	PP/PE	green	8	95		10		5202-1000	N4

Accessories

Description	Price €	Item no.	
Discharge hose with shut-off valve for PumpMaster for acids and chemical liquids		5202-1001	N4

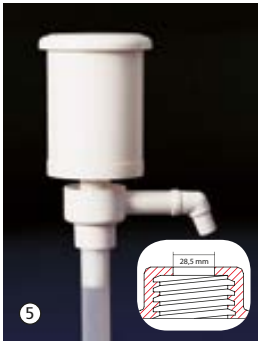
Dosing pumps Dosi-Pump

Dosi-Pump 4 ml
Standard dosage approx. 4 ml per stroke.

Dosi-Pump 30 ml
Standard dosage approx. 30 ml per stroke.

Dosi-Pump 30 ml, fixed feeding tube
Standard dosage approx. 30 ml per stroke, the pump has a fixed feeding tube.

Dosi-Pump 100 ml, fixed feeding tube
Standard dosage approx. 100 ml per stroke, the pump has a fixed feeding tube.



Dosi-Pump 250 ml, fixed feeding tube
Standard dosage approx. 250 ml per stroke, the pump has a fixed feeding tube.

Dosing pumps suitable for barrels, canisters, carboys or bottles, for dosing liquids of different viscosities. Dosing pumps are mounted by you in your existing container closure (see the locating bore table). To do this, a suitable hole is drilled in the cap. Then the pump is inserted through the hole and screwed in place from below.
A matching container connection is not included in the scope of delivery.

- Medium-contacting parts made of PP, PE and stainless steel

Dosing pumps Dosi-Pump

	Stroke approx. ml	Drill-hole dia. mm	Immersion depth cm	Price €	Quantity scale from	Scale price €	Item no.	
①	4	21	25		100		5607-1004	N3
②	30	28,5	38,5		100		5607-2030	N3
③	30	22	33,5		100		5607-3030	N3
④	100	28,5	29,5		100		5607-4100	N3
⑤	250	28,5	41,5		100		5607-5250	N3

PTFE barrel pumps Ultrapure

Due to the high chemical resistance of the medium-contacting parts made of PTFE and FEP, even liquids which attack conventional materials such as PP or PVC can now be safely transferred (except for elemental fluorine) with this barrel pump. The barrel pump is also suitable for transferring ultra-pure liquids. The stopcock prevents hazardous vapours from escaping, and stops dripping after transfer.

Barrel pump with rigid discharge tube with stopcock made of PTFE.

Barrel pump with flexible discharge hose made of PTFE, length of 1.2 m and stopcock made of PVDF.

- Immersion tube Ø 32 mm
- All valves are made of solid PTFE/PVDF
- Top quality - 3 years' warranty
- Barrel screw joints for commercially available containers available as accessories

PTFE barrel pump Ultrapure - discharge tube

Immersion depth cm	Pump capacity ml (oz.)/stroke	Price €	Quantity scale from	Scale price €	Item no.	
60	270		10		5606-0600	N4
95	400		10		5606-1000	N4

PTFE barrel pump Ultrapure - discharge hose

Immersion depth cm	Pump capacity ml per stroke	Price €	Quantity scale from	Scale price €	Item no.	
60	270		10		5606-0601	N4
95	400		10		5606-1001	N4

Accessories

Description	Price €	Item no.	
PP barrel screw joint, R 2", steel fine outer thread		5600-3130	N4
PP barrel screw joint, Mauser 2", coarse outer thread		5600-3170	N4
PP barrel screw joint, Tri-Sure, coarse outer thread		5600-3180	N4
SafetyBox incl. safety goggles and protective gloves		2507-9000	N3

PP barrel pumps | robust industrial quality

⑤

⑥

⑦

Barrel pumps made of polypropylene allow a fast transfer of liquids from barrels, canisters and tanks. The good chemical resistance of PP allows acids, alkalis and aggressive detergents to be transferred. The low-mounted non-return valve of the barrel pump and the immersion depth that can be steplessly adjusted using the barrel screw joints ensure good removal of residual liquid. The barrel screw joint fastens the barrel's pump securely to the barrel. Barrel screw joints and thread adapters for commercially available containers are available as optional accessories.

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

PP barrel pumps | robust industrial quality

PP barrel pump - discharge tube
PP barrel pump with rigid discharge tube.

PP barrel pump - discharge hose/stopcock
PP barrel pump with flexible discharge hose made of PVC, length of 1.2 m and stopcock.

- Seals made of PTFE
- Immersion tube Ø 32 mm
- Capacity up to approx. 12 l/min
- For barrels and tanks of 60 - 1000 litres

① PP barrel pump - discharge tube

Immersion depth cm	Pump capacity ml per stroke	Total length cm	Price €	Quantity scale from	Scale price €	Item no.	
50	200	60		5		5600-0501	N4
65	230	74		5		5600-0651	N4
80	260	90		5		5600-0801	N4
100	300	109		5		5600-1001	N4
125	300	134		5		5600-1251	N4
150	300	159		5		5600-1501	N4

② PP barrel pump - discharge hose/stopcock

Immersion depth cm	Pump capacity ml per stroke	Total length cm	Price €	Quantity scale from	Scale price €	Item no.	
50	200	60		5		5600-0502	N4
65	230	74		5		5600-0652	N4
80	260	90		5		5600-0802	N4
100	300	109		5		5600-1002	N4
125	300	134		5		5600-1252	N4
150	300	159		5		5600-1502	N4

Accessories

Description	Price €	Item no.	
③ PP barrel screw joint, R 2", steel fine outer thread		5600-3130	N4
④ PP barrel screw joint, Mauser 2", coarse outer thread		5600-3170	N4
⑤ PP barrel screw joint, Tri-Sure, coarse outer thread		5600-3180	N4

Accessories

Description	Price €	Item no.	
⑥ Container screw joint		5600-3140	N4
⑦ PVC barrel plug, dia. 40-70 mm (not for EX zone)		5600-3150	N4
Discharge hose 1.2 m PVC with stopcock for PP barrel pump		5600-0100	N4
Drain safety stand (see page 55)		5618-1000	N4

Stainless Steel Barrel Pump | for flammable liquids

The Bürkle barrel pump made of stainless steel AISI 304 (1.4301) is suitable for filling combustible and easily flammable liquids. The barrel pump can conduct electricity and therefore fulfills the requirements for handling flammable liquids in combination with the accessory Anti-static set.
The PTFE gaskets ensure long-term and maintenance-free use. Pumping capacity approx. 9 – 22 l/min, dependent on pump length.
The wide range of accessories makes it possible to adapt the pump to very different requirements.

⚠ Not suitable for acetone!

⚠ When withdrawing flammable liquids, the barrel and pump has to be grounded!
Use Anti-static set!

④

⑤

⑥

③

Stainless Steel Barrel Pump | for flammable liquids

Stainless steel barrel pump - discharge tube
Barrel pump made of stainless steel with discharge tube.

- Removable discharge tube
- Immersion tube Ø 32 mm

Stainless steel barrel pump - discharge hose/stopcock
Barrel pump stainless steel with discharge hose and stopcock made of stainless steel and PTFE, can conduct electricity.

- Immersion tube Ø 32 mm
- Removable hose, 1.2 m in length
- Ball valve made of stainless steel NW 8 mm
- Discharge nozzle Ø 12.8 mm

① Stainless steel barrel pump - discharge tube

Immersion depth cm	Total length cm	Pump capacity ml per stroke	Price €	Quantity scale from	Scale price €	Item no.	
36	48	220		5		5601-0400	N4
57	69	350		5		5601-0500	N4
91	103	560		5		5601-0800	N4

② Stainless steel barrel pump - discharge hose/stopcock

Immersion depth cm	Total length cm	Pump capacity ml per stroke	Price €	Quantity scale from	Scale price €	Item no.	
36	48	220		5		5601-0401	N4
57	69	350		5		5601-0501	N4
91	103	560		5		5601-0801	N4

Accessories

Description	Price €	Item no.	
③ Anti-static set		5602-1000	N4
④ Brass barrel screw joint R2" steel fine outer thread		5601-0100	N4

Accessories

Description	Price €	Item no.	
⑤ Gastight barrel connector R2" steel fine outer thread		5601-0130	N4
Discharge hose 1.2 m with stainless steel/PTFE stopcock for stainless steel barrel pump		5601-0090	N4
Discharge tube for stainless steel barrel pump		5601-0080	N4
⑥ PVC barrel plug, dia. 40-70 mm (not for EX zone)		5600-3150	N4
Drain safety stand (see page 55)		5618-1000	N4
PP barrel screw joint, R 2", steel fine outer thread		5600-3130	N4
PP barrel screw joint, Mauser 2", coarse outer thread		5600-3170	N4
PP barrel screw joint, Tri-Sure, coarse outer thread		5600-3180	N4
Universal barrel spanner		5690-0090	N4
Casual style safety goggles		2502-2010	N3

Mini solvent pump | reliable filling of small quantities

- Ideal for 1-5 l containers
- Connecting thread GL 45
- Parts in contact with medium made of PTFE and stainless steel AISI 304 (1.4301), AISI 316L (1.4404)
- PTFE hose (6x8 mm) 0.4 m
- Including grounding cable 2 m
- Adapter available as accessory for S 40, GL 38 and GL 32

The Mini solvent pump is a high-quality hand pump for small containers such as bottles, canisters and tanks up to about 10 litres. For reliable filling and dosing of solvents and readily flammable liquids.

Simple principle - highly effective

The hand pump works according to the excess pressure principle. An excess pressure is built up in the container with the pump ball, forcing the liquid outward. In this way only the hose, pumping tube and discharge come in contact with the liquid being filled.
To ensure safety, a pressure relief valve protects the solvent pump against excessive pressure build-up, for example due to sunshine.

High-quality materials

All parts of this hand pump in contact with medium are manufactured from high-quality and inert materials PTFE and stainless steel AISI 304 (1.4301), AISI 316L (1.4404), which feature excellent chemical resistance. The Mini solvent pump is therefore especially well suited for use with high-purity liquids and readily flammable media such as acetone, isopropanol, ethanol and methanol, etc.

Filling in hazardous zones

The grounding cable included with delivery can easily be connected to the solvent pump with a bunch plug, thus diverting electrostatic charges so that flammable media can be filled safely.

Flexible applications

The solvent pump allows for filling from a wide range of container sizes. The flexible PTFE hose that conveys liquid out of the container can be shortened to any length. This ensures ideal residual draining, even from bottles and canisters with a vaulted bottom.
The hand pump has a GL 45 standard connecting thread. With the appropriate thread adapters (accessories), however, it can easily be adapted to containers with thread sizes S 40, GL 38 or GL 32.

Mini solvent pump | reliable filling of small quantities

Precise removal of liquids

The self-closing discharge (with auto-stop function) of the Mini solvent pump ensures absolutely precise filling with no dripping at all. Dosing is even easy in very small containers such as test tubes, which present no problems. A hose can optionally be fastened onto the discharge spout (internal Ø 6 mm), thus making it possible to fill the container from a greater distance.

The Mini solvent pump is especially compact and very well balanced, which makes it possible to fill without tipping, even from very small containers.

Thanks to its sturdy design and high-quality materials, the Mini solvent pump consistently ensures neat and reliable filling throughout its long service life, easily and conveniently.

Mini solvent pump

Pump capacity approx. l/min	Connector thread	Price €	Item no.	
1.8	GL 45		5603-4000	N4

Accessories

Description	Price €	Item no.	
(1) Thread adapter for Mini solvent pump, PTFE, GL45-S40		0006-4000	N4
(1) Thread adapter for Mini solvent pump, ETFE, GL45-GL38		0006-4002	N4
(1) Thread adapter for Mini solvent pump, ETFE, GL45-GL32		0006-4003	N4
(2) Hose cutter		0006-9506	N3
Glass sampling bottle 1000 ml, GL 45		5314-0100	N3
Suction hose PTFE on roll 6 x 8 mm, roll with 5 m		8804-0608	N3

Solvent pump foot operated

Solvent pump foot operated for filling of high purity liquids such as solvents.
All medium-contacting parts are made of stainless steel AISI 304 (1.4301) and PTFE. Due to the barrel screw joint and the stopcock, the container and the pump can be hermetically sealed. Unwanted vapours can therefore not escape during the filling process.

Massive, long-life industrial version. Clip connection for fast connection and disconnection of the air hose.

- Immersion tube can be steplessly adjusted to the barrel depth
- For barrels up to 220 litres
- Suitable for steel barrels with R 2" thread
- Thread adapter for commercially available containers and air filters for ultra-pure drawing-off available as accessory

⚠ When withdrawing flammable liquids, the barrel and pump have to be grounded! Use Anti-static set!

Assessment of Ignition Risks, usable in:
- Zones 0 and 1
- Explosion groups II A, II B

DEKRA EXAM GmbH DEKRA tested Identification No. 0158

Solvent pump foot operated - discharge hose/stopcock				
Immersion depth cm	Connector thread	Pump capacity approx. l/min	Price €	Item no.
95	2"	20		5603-3000 N4

Solvent pump foot operated - discharge tube				
Immersion depth cm	Connector thread	Pump capacity approx. l/min	Price €	Item no.
95	2"	20		5603-1100 N4

Accessories

Description	Price €	Item no.
Anti-static set		5602-1000 N4

Accessories

Description	Price €	Item no.
Air filters for solvent pump, filter class M5, 10 pieces		0006-6009 N4

Solvent pump hand operated

Hand-operated solvent pump for contamination-free removal of organic solvents and flavouring agents. For containers up to 60 l.
The pump is gas-tight and completely sealable with two ball valves.

- Medium-contacting parts made of stainless steel AISI 304 (1.4301) and PTFE
- Rigid discharge tube with stopcock made of stainless steel/PTFE
- Suitable for containers with R 2" thread
- Thread adapter for commercially available containers available as accessory

⚠ When withdrawing flammable liquids, the barrel and pump have to be grounded! Use Anti-static set!

Solvent pump for tin-foil canisters fits on pull-out spouts

Anti-static set

Assessment of Ignition Risks, usable in:
- Zones 0 and 1
- Explosion groups II A, II B

DEKRA EXAM GmbH
DEKRA tested
Identification No. 01 58

Solvent pump hand operated				
Immersion depth cm	Connector thread	Pump capacity approx. l/min	Price €	Item no.
60	2"	10		5603-1000 N4

Solvent pump hand operated, for tin-foil canisters				
Immersion depth cm	Connector thread	Pump capacity approx. l/min	Price €	Item no.
60	for pull-out spout	10		5603-2000 N4

Accessories

Description	Price €	Item no.
Anti-static set		5602-1000 N4

Anti-static set | prevents electrostatic build-up

Conductive containers are connected with the red cable, the black cable makes the earth connection (water pipe, etc.)

Safety Plus: The bare copper wire ensures earthing when pouring into non-conductive containers

When decanting flammable liquids without the machines and containers involved in the process being sufficiently earthed, electrostatic build-up can occur, which for many substances can result in fire or an explosion.
Bürkle's Anti-static set ensures easy and reliable earthing.
The Anti-static set consists of three colour-coded connecting copper cables with clamps in a handy plastic case.

Anti-static set			
Price €	Quantity scale from	Scale price €	Item no.
	5		5602-1000 N4

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Barrel screw joints

Barrel screw joint made of nickel-plated brass for barrel pump stainless steel. Prevents electro-static charge in combination with the Anti-static set. For the safe transfer of flammable and easily flammable liquids. For containers with R2" steel fine thread inside.

Brass barrel screw joint

Thread	Price €	Quantity scale from	Scale price €	Item no.	
R2" steel fine outer thread		5		5601-0100	N4

The gas tight barrel screw joint prevents hazardous gases from escaping from the barrel. R2" steel barrel thread, non-return valve with connection 1/8". Nickel-plated brass, seals made of FKM.

Gastight barrel connector

Thread	Price €	Quantity scale from	Scale price €	Item no.	
R2" steel fine outer thread		5		5601-0130	N4

Barrel screw joint made of PP for secure connection in the barrel in three different thread models. For drawing off liquids that are not flammable.

PP barrel screw joint

Thread	Price €	Quantity scale from	Scale price €	Item no.	
R 2", steel fine outer thread		5		5600-3130	N4
Mauser 2", coarse outer thread		5		5600-3170	N4
Tri-Sure, coarse outer thread		5		5600-3180	N4

Container screw joint to fasten the barrel pump in any location on the side of the container. Also for wide-necked screw caps. The screw joint 2" is screwed on from the inside using lock nut 2". (Mounting holes in the container 60 mm).

Container screw joint

Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
60		5		5600-3140	N4

Barrel bungs made of PVC, consisting of two parts, therefore can be used for various openings with a diameter from 40-70 mm.

PVC barrel plug

Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
40-70		5		5600-3150	N4

Thread adapters PP

We offer a broad range of thread adapters. This facilitates the secure connection of many of our pumps and discharge cocks to a variety of containers.

You will always find the correct connection thanks to the combination of different adapters.

Do you have any questions about choosing the right thread adapter? Please call us. We are glad to offer assistance.

Instructions for determing the thread can be found on page 268.

	External thread	Internal thread	Colour	Price €	Quantity scale from	Scale price €	Item no.	
①	Tri-Sure	2″ BSP	orange		10		0600-1006	N4
②	Mauser	2″ BSP	blue		10		0600-1010	N4
③	Tri-Sure	Mauser	red		10		0600-1011	N4
④	Mauser	Tri-Sure	purple		10		0600-1012	N4
⑤	US drum thread	2″ BSP	silver		10		0600-1007	N4
⑥	61 mm	2″ BSP	grey		10		0600-1008	N4
⑦	61 mm	3″ coarse	natural		10		0600-1009	N4
⑧	64 mm (BSI)	DIN 60	black		10		0600-1014	N4
⑨	64 mm (BSI)	DIN 51	black		10		0600-1016	N4
⑩	64 mm (BSI)	DIN 61	yellow/blue		10		0600-1013	N4
⑪	64 mm (BSI)	DIN 71	brown/blue		10		0600-1001	N4

	Internal thread	Colour	Price €	Quantity scale from	Scale price €	Item no.	
⑫	35 mm - 2″ BSP	black		10		0600-2004	N4
⑬	51 mm - 2″ BSP	green		10		0600-2005	N4
⑭	DIN 61 - 2″ BSP	yellow		10		0600-2001	N4
⑮	63 mm - 2″ BSP	white		10		0600-2006	N4
⑯	DIN 71 - 2″ BSP	brown		10		0600-1003	N4

	External thread	Colour	Price €	Quantity scale from	Scale price €	Item no.	
⑰	61 mm - Tri-Sure	black		10		0600-3006	N4
⑱	61 mm - 2″ BSP	black		10		0600-3007	N4
⑲	2″ coarse Mauser - 64 mm (BSI)	green		10		0600-3004	N4
⑳	2″ coarse Tri-Sure - 64 mm (BSI)	brown		10		0600-3002	N4
㉑	2″ BSP - 64 mm (BSI)	blue		10		0600-3003	N4
㉒	Adaper set, consisting of 1, 2, 14 and 16			5		0600-3010	N4

Adapter set LaboPlast®

Adapter set consisting of:

- Thread adapter 3/4" - Hünersdorff
- Thread adapter 3/4" - Kautex
- Thread adapter 3/4" - cylindrical R 3/4" barrel thread
- Thread adapter 3/4" - conical R 3/4" barrel thread
- Hexagonal key for thread adapter

LaboPlast

Thread adapters LaboPlast® 3/4"

Thread adapter 3/4" - Hünersdorff

Thread adapter 3/4" - Kautex

Thread adapter 3/4" - cylindrical R 3/4" barrel thread

Thread adapter 3/4" - conical R 3/4" barrel thread

Thread adapter 3/4" - coarse thread, Tri-Sure 2"

Thread adapter 3/4" - coarse thread, Mauser 2"

Thread adapter 3/4" - fine thread 2"

Captive cap for 3/4"

Hexagonal key for thread adapter

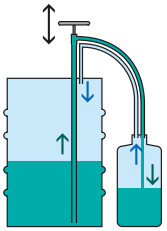
StopCock spigots, ball valves and other accessories can be connected to most commercially available containers, with the LaboPlast® thread adapters. All adapters have a standard outer thread R 3/4".

Thread adapter set LaboPlast®

Price €	Quantity scale from	Scale price €	Item no.	
	10		0600-0050	N4

	Thread, outflowing side	Thread, inflowing side	Colour	Material	Price €	Quantity scale from	Scale price €	Item no.	
①	Hünersdorff	3/4"	red	PP		10		0600-0010	N4
②	Kautex	3/4"	blue	PP		10		0600-0020	N4
③	cylindrical R 3/4" thread connection	3/4"	black	PP		10		0600-0150	N4
④	conical R 3/4" thread connection	3/4"	green	PP		10		0600-0030	N4
⑤	coarse thread, Tri-Sure 2"	3/4"	green/white	PP/PE		10		0600-0094	N4
⑥	coarse thread, Mauser 2"	3/4"	green/white	PP/PE		10		0600-0120	N4
⑦	fine thread 2"	3/4"	green/white	PP/PE		10		0600-0190	N4
⑧	Captive cap for 3/4"		grey	PVC		10		0600-0090	N4
⑨	Hexagonal key for thread adapter		blue	PP		10		0600-0001	N4

Gas-tight barrel pump PP | odour-free liquid transfer



Liquid is pumped in the closed system (green). Vapours are directed back through the gas displacement line (blue)

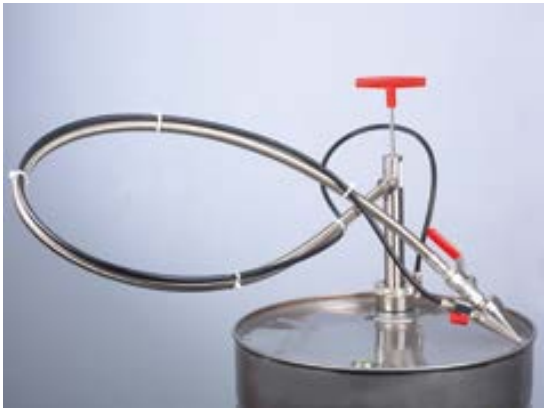
- Medium-contacting parts PP and PVC soft (hose)
- Steplessly extendable telescopic tube
- For barrel depths of 40 - 67 cm
- Two adapters for original containers

The gas-tight barrel pump enables odour-free transfer.
During transfer with normal pumps, it is impossible to prevent vapours escaping into the atmosphere. The gas-shuttle method avoids this. Any vapours produced are returned from the container which is to be filled to the original container via the gas-shuttle pipe. The gas pipe and the liquid pipe are additionally provided with stopcocks.
Gas-tight pumps are used for substances that have a strong smell such as ammonia.

Gas-tight barrel pump PP

Model	Pump capacity ml per stroke	Price €	Item no.	
① with universal adapter 34-70 mm Ø	200		5610-1030	N4
② with 2 screw joint adapters 3/4" with lock nuts	200		5610-1040	N4

Gas-tight stainless steel pump



Gas tight barrel pump with flexible discharge hose for filling off into large canisters and containers. Convenient transfer because the canister can stay on the floor. The connection cone is held onto the container.

- Parts in contact with media: Stainless steel AISI 304 (1.4301), PTFE, nickel-plated brass, PA that can conduct electricity
- Incl. gas-tight barrel screw joints with 2" fine thread
- For bottle openings from 16 - 49 mm
- Immersion tube Ø 32 mm
- The pump can be hermetically sealed with two ball valves

Pump has been developed in cooperation with Ludwig-Maximilians University, Munich.

Gas-tight stainless steel barrel pump - discharge hose/stopcock

Immersion depth cm	Total length cm	Pump capacity ml per stroke	Price €	Quantity scale from	Scale price €	Item no.	
57	69	350		5		5611-1090	N4
91	103	560		5		5611-0090	N4

Lever pump aluminium

Lever pump for petrochemical substances made of stable aluminium cast, valves and pistons are made of plastic (PA).

- Suitable for barrel threads M 64 x 4 or R2"
- With closure device
- Immersion tube length 84 cm
- Supplied with hose kit, hose length 1.5 m, electrically conductive, with outlet elbow and bend protection spring

Lever pump aluminium — ALU — 2 weeks

Pump capacity approx. l/min	Pumping height water column m	Connector thread	Price €	Item no.	
25	1	M64x4, R2"		5627-1000	N2

Accessories

Description	Price €	Item no.	
Anti-static set		5602-1000	N4

Rotary piston pumps

Rotary piston pump made of cast iron

Barrel screw joint rotary piston pump

Rotary piston pump made of V2A

Many uses: Between hose connections, as a barrel pump with a rigid outlet elbow or a flexible discharge hose. It can pump in both directions by rotating backwards and forwards.

- Viscosity up to max. 150 cst ISO/11.5° Engler/40 SAE at + 20°C
- Hose kit consisting of 1.5 m PVC hose, connection fittings and filler pipe available as accessories
- With two-part immersion tube length 100 cm

Rotary piston pump cast iron — 2 weeks

Pump capacity approx. l/min	Connector thread	Pumping height water column m	Material	Price €	Item no.	
① 30	3/4"	8	cast iron/bronze		5626-1030	N2
① 40	1"	7,5	cast iron/bronze		5626-1040	N2

Rotary piston pump stainless steel — V2A — 2 weeks

Pump capacity approx. l/min	Connector thread	Pumping height water column m	Material	Price €	Item no.	
② 40	1"	7	AISI 304/PTFE		5626-2040	N2

Accessories

Description	Price €	Item no.	
③ Thread connection for rotary piston pump 3/4", 5626-1030		5626-0110	N2
④ Thread connection for rotary piston pump 1", 5626-1040 / -2040		5626-0121	N2
Angled thread connection for rotary piston pump 3/4", 5626-1030		5626-0132	N2
Angled thread connection for rotary piston pump 1", 5626-1040 / -2040		5626-0133	N2
Discharge hose for rotary piston pump 3/4", 5626-1030		5626-0031	N2
Discharge hose for rotary piston pump 1", 5626-1040 / -2040		5626-0030	N2
Discharge tube for rotary piston pump 3/4", 5626-1030		5626-0012	N2

Lever pump

The required quantities can be taken from barrels without great effort with this manual lever pump. Ideal for occasional use.
Applications of the lever pump: water, lubricants, light oils, water-based chemicals and light acids and caustic solutions.

- With integrated barrel screw connection for 1 1/4" and 2" fine thread
- Pump capacity 350 ml per stroke
- Immersion depth steplessly variable from 65–90 cm

Lever pump with galvanised steel piston rod
The lever pump is made of polypropylene with a galvanised steel piston rod and FKM seals.

Lever pump with stainless steel piston rod
The lever pump is made of polypropylene with a stainless steel piston rod made of AISI 304 (1.4301) and FKM seals.

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Lever pump with galvanised steel piston rod		
Colour	Price €	Item no.
blue		5613-0040 N4

Lever pump with stainless steel piston rod		
Colour	Price €	Item no.
yellow		5613-0041 N4

Compact lever pump

Compact, self-priming polyethylene lever pump, suitable for alkaline liquids and many acids. The telescope suction tube for lever pump is steplessly extendable to 914 mm, which means it can be used for barrels from 60 to 200 l.

- Pump capacity is about 300 ml per stroke
- With integrated barrel screw connection for 2" BSP thread

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Compact lever pump			
Immersion depth cm	Price €	Item no.	
91		5613-0020	N4

Piston pump PP

The piston pump is made of polypropylene and polyethylene, for watery and petrochemical products. It represents value-for-money. The piston pump is attached to the container which is to be filled using a 2"- or 3/4" barrel thread. After mounting, the pump can still be rotated around its axis so that containers to be filled can be placed on the barrel lid.

- Pump capacity adjustable from 100, 250, 350 and 500 ml per stroke
- For containers with R2" and 3/4" inner thread
- Immersion tube length 84 cm

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Piston pump PP		
Price €	Item no.	
	5613-0030	N4

AccuOne / EnergyOne | Flexible – reliable – convenient – with the hybrid system

The new approach to flexibility - One pump with maximum possibilities.
Bürkle barrel pumps AccuOne and EnergyOne with the unique hybrid system ensure fast, flexible and convenient filling whenever and wherever you want. The pumps are equipped with two different power supply systems:
AccuOne, driven by a high-performance rechargeable battery or EnergyOne, with a power cable for direct connection to the electrical network.

The innovative new feature: The power supply units are interchangeable!

The rechargeable battery or the power supply unit are fitted with a clip lock and are removable. They can be exchanged quickly and easily. Thus AccuOne can also be operated with the power supply cable unit and EnergyOne can be operated with the rechargeable battery.
With a replacement rechargeable battery as an accessory, you never have to wait for charging.
The drive can also be disconnected quickly and easily from the pump station with a clip lock. This makes it possible to use one drive for filling at several stationary pump stations.
AccuOne and EnergyOne are designed for applications in which even very small amounts of liquid can be added to small containers with narrow openings.
The touch panel features a foil keyboard sealed off against dust, dirt and water. The keyboard can be used to regulate the flow rate continuously and precisely from 0.4 l/min to 12 l/min.
In addition to the drainage elbow, a flexible drainage hose with nozzle is optionally available.
The light and powerful pumps are made of high-quality materials, PP, PTFE and Hastelloy C, to ensure outstanding chemical resistance. This also makes them suitable for dispensing acids and bases. Please make note of detailed information related to chemical resistance!

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

⚠ Do not use in EX area!

- Unique hybrid system – rechargeable battery and power supply unit are interchangeable
- Drive unit can be easily disconnected
- TouchPanel for precise dosing
- Excellent residual draining and pumping capacity
- One drive for several pump stations
- Outstanding chemical resistance

Battery can be easily disconnected

Power supply unit can be easily disconnected

Drive unit can be easily disconnected

Touch panel

Power supply unit incl. connector

Charger for battery

AccuOne barrel pump

More accessories on page 36

The barrel pump driven by rechargeable battery, AccuOne, features a unique new hybrid system with complete flexibility and independence from the electrical network. A powerful light rechargeable battery with the latest next generation lithium-ion technology, without memory effect, with auto-stop function before deep discharge.

- Lithium-ion rechargeable battery – latest generation
- Up to 600 litres of delivery volume per battery charge, replacement back-up battery available
- Optionally available with rechargeable battery or power supply unit (available as accessory)
- Consisting of pump station, drive, rechargeable battery, charger and fixed discharge elbow

AccuOne barrel pump driven by rechargeable battery		
Immersion depth cm	Price €	Item no.
50		5900-1050 N4
70		5900-1070 N4
100		5900-1100 N4

Accessories

Description	Price €	Item no.
PP barrel screw joint, R 2", steel fine outer thread		5600-3130 N4
PP barrel screw joint, Mauser 2", coarse outer thread		5600-3170 N4
PP barrel screw joint, Tri-Sure, coarse outer thread		5600-3180 N4

EnergyOne barrel pump

More accessories on page 36

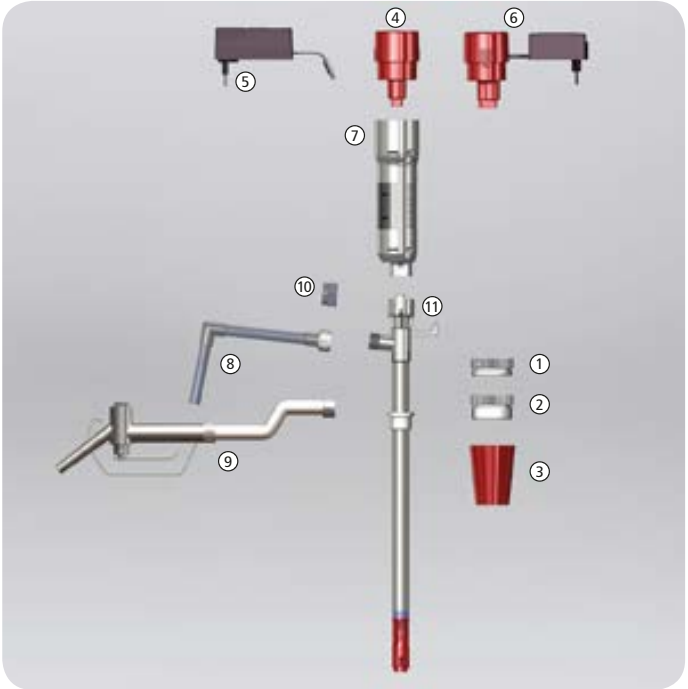
The barrel pump driven by power supply unit, EnergyOne, features a unique new hybrid system with complete flexibility and independence from battery charging.

- Power supply via 230 V power supply unit, international plug adapter included with delivery.
- Unlimited filling duration
- Optionally available with power supply unit or rechargeable battery (available as accessory)
- Consisting of pump station, drive, power supply unit incl. connector and fixed discharge elbow

EnergyOne barrel pump driven by power supply unit		
Immersion depth cm	Price €	Item no.
50		5900-2050 N4
70		5900-2070 N4
100		5900-2100 N4

Accessories

Description	Price €	Item no.
PP barrel screw joint, R 2", steel fine outer thread		5600-3130 N4
PP barrel screw joint, Mauser 2", coarse outer thread		5600-3170 N4
PP barrel screw joint, Tri-Sure, coarse outer thread		5600-3180 N4



Accessories

Description	Price €	Item no.	
① PP barrel screw joint, R 2", steel fine outer thread		5600-3130	N4
① PP barrel screw joint, Mauser 2", coarse outer thread		5600-3170	N4
① PP barrel screw joint, Tri-Sure, coarse outer thread		5600-3180	N4
② Container screw joint		5600-3140	N4
③ PVC barrel plug, dia. 40-70 mm (not for EX zone)		5600-3150	N4
④ Rechargeable battery without charger for Accu/EnergyOne		5900-3010	N4
⑤ Charger for battery Accu/EnergyOne		5900-3015	N4
⑥ Power supply unit incl. connectors for Accu/EnergyOne		5900-3020	N4
⑦ Drive without rechargeable battery/power supply unit		5900-3030	N4
⑧ Discharge tube		5900-3040	N4
⑨ Discharge hose 1.2 m, with nozzle (PVC, PP, V2A, FKM)		5900-3045	N4
⑩ Closing cap thread 3/4"		8535-0034	N3
⑪ Pump station Accu/EnergyOne, submersible length 50 cm		5900-3050	N4
⑪ Pump station Accu/EnergyOne, submersible length 70 cm		5900-3070	N4
⑪ Pump station Accu/EnergyOne, submersible length 100 cm		5900-3100	N4

Laboratory pump mains operated

Light- and high-performance pump to transfer small quantities of watery media up to 300mPas from canisters, barrels and narrow-necked containers from 32 mm opening diameter.

- PP
- Splash-water protected motor 230 V/200 W (IP44)
- Built-in safety key as on/off switch
- Seal-less pump mechanism for acids and alkalis
- Thread connection 1" with hose connector 3/4"
- Incl. 1.5 m PVC hose 3/4", PP nozzle and wall bracket

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Laboratory pump mains operated

Immersion depth cm	Pump capacity approx. l/min	Pumping height water column m	Tube Ø mm	Price €	Item no.	
70	75	7	32		5700-2200	N2
100	75	7	32		5700-4400	N2

Accessories

Description	Price €	Item no.	
Flow meter PP 1" (see page 40)		5700-0111	N2

Electric barrel pump Petro | for Diesel oil, class D/II fuel oil

Electric barrel pump for pumping diesel oil, Category EL fuel oil, undiluted radiator antifreeze and other liquids of Hazard Category AIII (VbF).
Built-in siphon protection prevents leaks if the tube is faulty. Available for 230 V. Available with either standard filling nozzle or filling nozzle with automatic shut-off. Electronic volume readout with cumulative total and suitable for calibration (supplied uncalibrated), available as accessory.

- With manual suction pump
- VDE tested, motor with thermal protection switch
- Barrel thread M 64 x 4 and 2"
- Suction hose with filter 1.60 m length
- Pump hose made of Perbunan, 4 m length, with bend protection spring and pump nozzle

⚠ Not suitable for aqueous/diluted liquids!

Electric barrel pump Petro

Model	Pump capacity approx. l/min	Price €	Item no.
standard	40		5780-0040 N2
automatic	40		5780-0041 N2

Accessories

Description	Price €	Item no.
Volume readout Petro		5780-0020 N2

Petro flow counter

Drum pump for acids and alkalis

Barrel pump for weaker acids, such as hydrochloric acid, phosphoric acid, chromic acid, battery acid, citric acid, etc.

- Motor 230 V
- Pump tube PP, shaft Hastelloy C
- Thread connection 1 1/4" with hose connector 3/4"
- 2 m PVC fabric hose 3/4"
- PP pump nozzle
- PP barrel screw joint
- Pump height 19 mWS, pump capacity 85 l/min

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Drum pump for acids and alkalis CE 2 weeks

Immersion depth cm	Tube Ø mm	Price €	Item no.	
100	41		5762-0100	N2
120	41		5762-0101	N2

Accessories

Description	Price €	Item no.	
Flow meter PP 1 1/4" (see page 40)		5700-0121	N2

Drum pump for concentrated acids/alkalis

Barrel pump for highly aggressive acids and alkalis, such as sulphuric acid, nitric acid, hydrofluoric acid, sodium hypochlorite etc.

- Motor 230 V
- PVDF pump tube
- Thread connection 1 1/4" with hose connector 3/4"
- 2 m special chemical hose 3/4"
- PVDF pump nozzle
- PP barrel screw joint
- Pump height 17 mWS, pump capacity 80 l/min

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Drum pump for concentrated acids/alkalis CE 2 weeks

Immersion depth cm	Tube Ø mm	Price €	Item no.	
100	41		5762-0200	N2
120	41		5762-0201	N2

Accessories

Description	Price €	Item no.	
Flow meter PVDF 1 1/4" (see page 40)		5700-0141	N2

Drum pump for mineral oils

Barrel pump for light viscous mineral oil products, such as diesel, fuel oil, hydraulic fluid, machinery and motor oil, etc.

- Motor 230 V
- Pump tube made of aluminium
- Hose connection Alu 1"
- 2 m PVC fabric hose 1"
- Hose clips 1"
- Alu pump nozzle, PP barrel screw joint
- Medium-contacting parts made of aluminium and AISI 316 Ti (1.4571)
- Delivery pump height 19 mWS, Pump capacity 85 l/min

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Drum pump for mineral oils			
Immersion depth cm	Tube Ø mm	Price €	Item no.
100	41		5763-0100 N2

Drum pump for solvents

Barrel pump for highly flammable hydrocarbons such as ethanol, benzine, butanol, isopropanol, kerosene, methanol, etc.

- Motor 230 V
- Pump tube made of stainless steel
- Voltage balancing cable
- Hose electrically-conductive
- 2 m solvent hose 3/4"
- Brass pump nozzle
- PP barrel screw joint
- Delivery pump height 14 mWS, pump capacity 95 l/min

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Drum pump for solvents			
Immersion depth cm	Tube Ø mm	Price €	Item no.
100	41		5763-0301 N2

Flow meters

Compact electronic flow counter for electrical barrel and container pumps. For thin fluid media.

- Measuring according to the turbine wheel principle
- Counter can be calibrated depending on the medium
- Different versions for many different applications
- Automatic switch-on when flow is recognised
- Measuring accuracy ±1%, easy recalibration
- Long-life lithium battery
- For use up to max. 4 bar (20°C)
- Range of viscosity 0.8 - 40 mPas
- Temperature -10 °C up to +50 °C

Flow meter

Material	Model	Measuring range l/min	Connector thread	Price €	Item no.	
PP, Hastelloy C4, FKM	for fuel oil, diesel, hydrochloric acid, sod. hydroxide, etc.	5 – 90	G 1 1/4"		5700-0121	N2
PP, Hastelloy C4, FKM	for fuel oil, diesel, hydrochloric acid, sod. hydroxide, etc.	5 – 90	G 1"		5700-0111	N2
PVDF, Hastelloy C4, FKM	for highly aggressive liquids like chlorine bleaches, nitric acid, sulfuric acid, etc.	5 – 90	G 1 1/4"		5700-0141	N2

Oil-free double-diaphragm pump

Pneumatic double-diaphragm pump to pump viscous, corrosive, abrasive and flammable liquids. Pump model 1/4". The pump is available in the materials polypropylene, PVDF and nylon. The membranes, balls and valve seats are available in Geolast, PTFE and Santoprene. Solids up to 1.6 mm Ø can be transported.

- Max. pump capacity 16 l/min
- Suction height dry 6 m
- Self-priming
- Operating compressed air min. 1.4 bar, max. 6.8 bar
- Max. temperature 66°C
- Inlet side/outlet side 1/4" inner thread

Oil-free double-diaphragm pump

Model	Material	Price €	Item no.	
for water-based liquids, lubricants, mineral oil	housing PP, diaphragm. Geolast		5765-0001	N2
for corrosive liquids, inorganic acids and alkalis	housing PP, diaphragm. PTFE		5765-0002	N2
for water-based liquids, sodium hydroxide solution	housing PP, diaphragm. Santoprene		5765-0003	N2
for strong acids and alkalis, increased temperatures	housing PVDF, diaphragm. PTFE		5765-0004	N2

Magnetic centrifugal pumps

① ②

The magnetic centrifugal pumps are suitable for transferring acids, alkalis, alkaline and electroplating baths, photography chemicals as well radioactive, sterile and highly corrosive liquids. The drive, via contact-free magnetic force transfer, requires no dynamic shaft seals and this makes a hermetically sealed pump housing possible, which means that it cannot leak.

- Seal-less
- Surrounding temperature max. 45 °C
- Operating temperature max. 60 °C
- Viscosity max. 20 mPas

Magnetic centrifugal pump 15 Watts, motor 230 V, material PP (reinforced with fibre glass), stainless steel (shaft), Rulon (bearing), FKM (seal).

- Pump capacity 1 to 12 l/min, delivery height up to 2 m
- Without thread, hose nozzle 14 mm

Magnetic centrifugal pump 29 Watts, motor 230 V, material PP (fibre glass reinforced), stainless steel, Rulon (bearing), FKM (seal), ceramics (shaft).

- Pump capacity 1 to 24 l/min, delivery pump height up to 3 m
- Suction connection / pressure connection G 3/4" outer thread (BSP)

Magnetic centrifugal pump 15 Watt — 2 weeks

Model	Price €	Item no.	
① 15 Watt, no thread connection, with tubing nozzle		5766-0001	N2
② 29 Watt, with R 3/4" outer thread		5766-0002	N2

AirJet Mini vacuum pump/compressor

①

The AirJet Mini single-head membrane vacuum pump is suitable for a variety of applications in the laboratory and industry. The dry running membrane vacuum pump is able to pump, compact and evacuate 100% oil-free, which means it does not distort results or add impurities, and can also be used as a compressor.
The AirJet Mini is used to pump and evacuate air and neutral or slightly aggressive or corrosive gases and vapours.

- Weight 1.9 kg, dimensions LxWxH 164/90/141 mm
- Hose connection ID 4 mm
- Maintenance-free, environmentally friendly
- High level of gas tightness
- Very quiet with low vibrations

② ③

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

① AirJet Mini membrane vacuum pump/compressor

Model	Pump capacity approx. l/min	Vacuum mbar	Pressure max. bar	Price €	Item no.	
Membrane made of EPDM	6	100	2.4		5625-2000	N2
Membrane made of PTFE	5.5	160	2.5		5625-2001	N2

Accessories

Description	Price €	Item no.	
② AirJet Mini fine regulation head		5625-2002	N2
③ AirJet Mini sound absorber		5625-2003	N2

Siphon with stopcock | for occasional drawing off of liquids

Device for easy operation to quickly fill off watery liquids from containers higher up to containers lower down.
Works according to the siphoning principle: Liquid needs only to be primed once, therefore especially handy for complete emptying of a container.

- LDPE/PVC
- Pump capacity 9l/min
- With robust ball valve made of PP
- Good view of medium due to transparent hoses
- Bend protection for the hose with suspension eyelet
- Cost-effective filling unit if drawing-off does not need to take place regularly

Offered also as rigid immersion tube upon request.

Siphon with stopcock

Material	Immersion depth cm	Hose inner dia. mm	Pump capacity approx. l/min	Price €	Quantity scale from	Scale price €	Item no.	
LDPE/PVC/PP	100	15	9		10		5605-1000	N4

IBC discharge valves

The IBC discharge valve is a sturdy, high-quality ball valve with a hose connection and connection adapter including seal, for standard thread S 60x6 external or 1" external, designed to fit all commonly used European IBC containers.
With the appropriate thread, the discharge valve can also be screwed directly onto the original discharge valve that is already on the IBC tank if the original valve is leaking or faulty. In this way the IBC discharge valve ensures fast and reliable residual emptying of the container with good dosing.
The discharge valve is an indispensable accessory to ensure a professional connection of the hose or for filling from your IBC container.

- 1" flow
- Suitable for connection threads S 60x6 external or 1" external
- Discharge valve and sealing cap PP fibreglass-reinforced, ball and adapter PP
- Max. operating pressure 10 bar (at +20°C)
- Max. operating temperature 80°C

① IBC discharge valve with 90° hose nozzle and sealing cap. The hose can also be closed with the enclosed sealing cap. Hose nozzle external PA Ø 30 mm, suitable for flexible hoses.

② IBC discharge valve with innovative hose screw connection The hose screw connection allows you to attach a wide range of hoses quickly, easily and reliably. No additional hose clamp is needed. Hose fitting PP/POM, external Ø 25 mm.

① IBC discharge valve with angle discharge			
Price €	Quantity scale from	Scale price €	Item no.
	5		0534-0002 N3

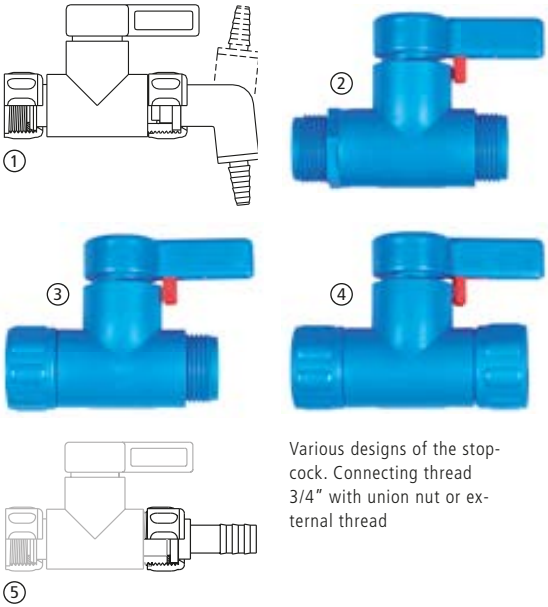
② IBC discharge valve with hose screw connection			
Price €	Quantity scale from	Scale price €	Item no.
	5		0534-0001 N3

StopCocks | completely water-tight, easily operated

The StopCock discharge cocks fits all containers with R 3/4" connection threads. Thread adapters facilitate connection of cocks to nearly all containers.

- Tight-closing for complete seal
- Especially effortless
- With connecting cap nut, guaranteed vertical position of the cock
- Pressure-resistant up to 2 bar at 20°C (without discharge bracket and grommet)
- With discharge angle and rotatable spout preventing drips
- With tapered spout for bottles with narrow openings with a diameter from 6 to 8 mm.
- Media-contacting parts PP, PE and PTFE

⚠ Not suitable for crystallising substances!



Various designs of the stopcock. Connecting thread 3/4" with union nut or external thread

StopCock angled

Thread, inflowing side	Thread, outflowing side	Price €	Quantity scale from	Scale price €	Item no.	
① 3/4" inner thread cap nut	spout/nozzle		10		0525-1000	N4

StopCock straight-through

Thread, inflowing side	Thread, outflowing side	Price €	Quantity scale from	Scale price €	Item no.	
② 3/4" outer thread	3/4" outer thread		10		0525-3000	N4
③ 3/4" inner thread cap nut	3/4" outer thread		10		0525-5000	N4
④ 3/4" inner thread cap nut	3/4" inner thread cap nut		10		0525-7000	N4

Accessories

Description	Price €	Item no.	
⑤ Hose nozzle StopCock 4 mm		0525-1304	N4
Hose nozzle StopCock 6 mm		0525-1306	N4
Hose nozzle StopCock 8 mm		0525-1308	N4
Hose nozzle StopCock 10 mm		0525-1310	N4
Hose nozzle StopCock 12 mm		0525-1312	N4
Hose nozzle StopCock 16 mm		0525-1316	N4
Discharge angle		0525-1400	N4

Compact spigot

The spigot Compact for canisters and barrels captivates everyone through its compact build, which makes the valve on the canister ideal for use in refrigerators and on racks, etc. The short discharge does not protrude out over the lower edge of the container, which makes the valve a perfect choice even when space is very limited.

The discharge's specially optimised design creates an even stream of liquid with no splashing or spattering. The spigot features easy motion and a tight seal. It is screwed on with a connecting cap nut. This guarantees a vertical position of the valve and makes it possible to adjust the valve later on.
The Compact spigot fits all containers with R 3/4" connecting threads.

PP, PE and PTFE are materials that offer outstanding chemical resistance to acids and alkalis.
The Compact spigot is the ideal addition to Flachmann jerrycans – for perfect storage and filling when space is at a premium!

- Space-saving design
- Optimised discharge for even flow
- With connecting union nut for vertical position of the stop cock
- Tight-closing for complete seal

Compact spigot

Thread, inflowing side	Price €	Quantity scale from	Scale price €	Item no.	
3/4" inner thread cap nut		10		0530-1000	N4

Compact jerrycan & StopCock set

The Compact jerrycan & StopCock set consists of the compact jerrycan Flachmann with glands (0435-2050) and the spigot StopCock (0525-1000).

Compact jerrycan & StopCock set			
Price €	Quantity scale from	Scale price €	Item no.
	10		0435-0001 N4

Compact jerrycan & Compact stop cock set

The Compact stop cock is the ideal addition to Flachmann jerrycans – for perfect storage and filling when space is at a premium!
The space-saving set consists of the compact Flachmann jerrycan with glands (0435-2050) and the spigot Compact (0530-1000).

Compact jerrycan & Compact stop cock set			
Price €	Quantity scale from	Scale price €	Item no.
	10		0435-3000 N4

StopCock PA, electroconductive

Commercially available spigots made of the materials polyethylene or polypropylene cannot be used for solvents.
The spigot StopCock PA is made of electrically conductive polyamide and therefore perfectly suitable for solvents.

StopCock PA fits onto 3/4" outer threads and with the supplied adapter onto 3/4" inner threads and therefore onto nearly all commercially available canisters and barrels where the discharge thread is at the bottom.

- With discharge angle and rotatable spout preventing drips
- With tapered spout for bottles with narrow openings with a diameter from 6 to 8 mm
- Media-contacting parts PA conductive to electricity and PTFE
- Supplied with PA adapter conductive to electricity for 3/4" inner thread

StopCock PA, electroconductive						
Thread, inflowing side	Thread, outflowing side	Price €	Quantity scale from	Scale price €	Item no.	
3/4" inner thread cap nut	spout/nozzle		10		0525-1100	N4

Ball valve PP

Ball valve PP fits all containers with R 3/4" connection thread. It can be attached to nearly all containers with thread adapters. Robust industrial quality, large flow.

- Suitable for crystallising media
- Max. 4 bar pressure at 20°C
- With connecting cap nut, guaranteed vertical position of the valve
- Incl. discharge angle
- Hose nozzle 16 mm Ø
- Nominal width 12 mm Ø

Ball valve PP

Price €	Quantity scale from	Scale price €	Item no.	
	5		0500-0100	N4

Accessories

Description	Price €	Item no.	
Sealing tape PTFE, width 12 mm, length 12 m		0006-4514	N3

Ball valves PP for barrels

Ball valves for barrels made of PP for barrels with thread connections.

- Suitable for solidifying media
- Max. 4 bar pressure at 20 °C
- Individually adaptable, through various accessories

Ball valves PP for barrels

Thread, inflowing side	Thread, outflowing side	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2" outer	1/2" inner	15		10		0500-0112	N4
3/4" outer	3/4" inner	20		10		0500-0134	N4
1" inner	1" inner	25		5		0500-8001	N3
1/2" inner	1/2" inner	15		5		0500-8002	N3
3/4" inner	3/4" inner	20		5		0500-8003	N3

Accessories

Description	Price €	Item no.	
Tube nozzles, fixed, straight 1/2" outer		8545-0012	N3
Tube nozzles, fixed, straight 3/4" outer		8545-0034	N3
Tube nozzles, fixed, straight 1" outer		8545-0100	N3
Tube bend, fixed, 1/2" outer		8547-0012	N3
Tube bend, fixed, 3/4" outer		8547-0034	N3
Tube bend, fixed, 1" outer		8547-0100	N3
Adapter for ball valve, Coarse thread Tri-Sure 2" outer, 3/4" inner		0600-0140	N3
Adapter for ball valve, Fine thread 2" outer, 3/4" inner		0600-0180	N3
Sealing tape PTFE, width 12 mm, length 12 m		0006-4514	N3

Ball valve PP, food

Ball valve made of PP with outer / inner thread, fibre-glass reinforced, ball made of PP, handle with O-ring made of food-safe NBR and seal made of HDPE.

- Max. operating pressure 10 bar (at +20°C)
- Max. operating temperature 100°C
- Suitable for food

Hose angle bracket, 90°, with cap nut, inner thread and reducing nozzle.

Ball valve PP, food

Thread, inflowing side	Thread, outflowing side	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.
1/2" inner	M29x1,75 outer	15		10		0500-8102 N3
3/4" inner	M36x3 outer	20		10		0500-8103 N3
1" inner	M42x3 outer	25		10		0500-8101 N3
1/2" outer	M29x1,75 outer	15		10		0500-8202 N3
3/4" outer	M36x3 outer	20		10		0500-8203 N3
1" outer	M42x3 outer	25		10		0500-8201 N3

Accessories

Description	Price €	Item no.
Container connection, white 1/2" outer		8533-0012 N3
Container connection, white 3/4" outer		8533-0034 N3
Container connection, white 1" outer		8533-0100 N3
Tube bend with cap nut, thread M29x1,75		8548-0020 N3
Tube bend with cap nut, thread M36x3		8548-0025 N3
Tube bend with cap nut, white, thread M42x3		8548-0030 N3
Sealing tape PTFE, width 12 mm, length 12 m		0006-4514 N3

Spigot "Air"

No additional ventilation opening required, PE, transparent, 3/4" thread connection outside.

- Self-venting
- NW 13 mm
- Seal made of natural rubber

Spigot "Air"

Price €	Quantity scale from	Scale price €	Item no.
	25		0533-0010 N3

Stainless steel spigot

Very sturdy and robust spigot made of stainless steel AISI 304 (1.4301). The outlet of the spigot turns 360° so it can be adjusted to any required position. With a practical suspension device for filling container and eyelet for shutting off the spigot.

- Seals PTFE, FKM
- Self-closing
- Thread connection 3/4"
- Lockable
- NW 10 mm

Stainless steel spigot		
Price €	Item no.	
	0535-0020	N4

Spigot "Brass"

Barrel tap for petrochemical liquids, closed independently when not used (increased safety), thread connection 3/4" on the outside.

- Seals NBR
- Self-closing
- NW 10 mm

Spigot "Brass"			
Price €	Quantity scale from	Scale price €	Item no.
	10		0535-0010 N4

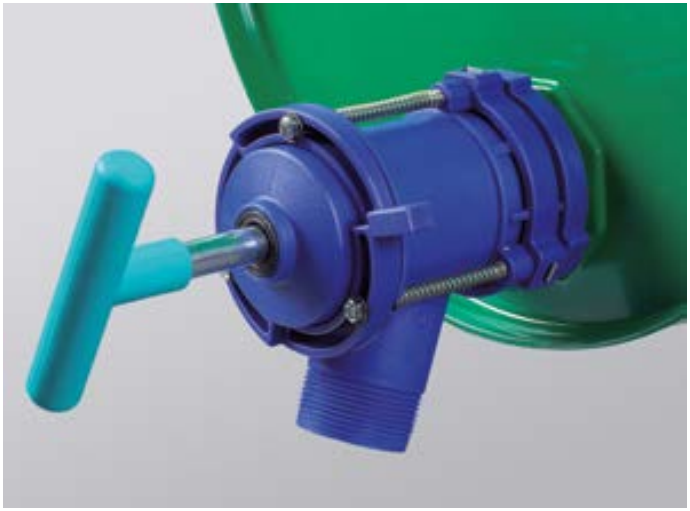
Spigot Jumbo, with tap

Spigot with tap for R2" barrel thread, 50 mm flow, for viscous media such as lacquers, glue, shampoo.

- Cost-effective tap
- PE, brown
- Seal made of EPT

Spigot Jumbo, with tap			
Price €	Quantity scale from	Scale price €	Item no.
	10		0534-0020 N4

Barrel valve



The barrel valve enables quick and clean emptying even with highly viscous liquids.
It is suitable for metal barrel with 2" BSP TriSure metal barrel screw joint.
The barrel valve enables opening the barrel closure as well as emptying and reclosing it even with lying, full barrels without having to move them.

Barrel valve	
Price €	Item no.
	0536-0010 N4

LiquoFill filler for fluids

- Metering accuracy +/- 0.5 %
- 300-800 fillings per hour
- Self-feeding

Accessories:

- Height-adjustable filling table made of stainless steel for positioning the container
- Nozzles with/without sieve, different diameters
- Diaphragm valves (for viscous products) and drip preventer (for products with low surface tension), only possible in pneumatic and semi-automatic drive

The LiquoFill fillers were specially developed for exact metering and filling of fluids of all types. LiquoFill is handy especially in small series, as the purchase of a stationary filling station designed in large series is often not profitable.

The metering and filling devices are used in production sites and laboratories for cosmetic, pharmaceutical and chemical products, paints as well as in the food and beverage industry.
LiquoFill is ready to operate, simple to handle and easy to clean. The fillers can be mounted on the table using a fastener or screwed directly on to the table; they are portable and therefore usable at different places.

The fill quantity can be calibrated precisely and continuously using an adjusting nut, without any tools and can be read at a display. The adaptable hand lever facilitates use by both right- and left-handed individuals.

Parts in contact with the medium are made of stainless steel AISI 316L (1.4404), AISI 316Ti (1.4571), springs AISI 304 (1.4310), PTFE and FCR (Fluorocarbon rubber). Housing made of aluminum, protection hoods made of stainless steel.

Different filling nozzles (Ø4/3 mm - Ø16/14 mm, with/without sieve) facilitate individual filling of diverse containers such as bottles, tubes, nozzles, crucibles or glasses.

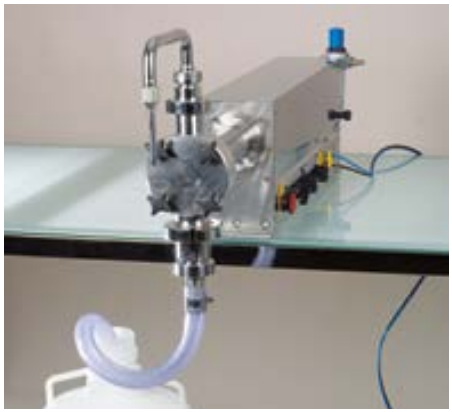
When ordering, please state the material to be filled. We will test the chemical resistance. Please always indicate the desired size when ordering filling tubes.

LiquoFill filler for fluids

LiquoFill filler, manual mode of operation
Volumetric piston meter with manual drive. The fillers with manual operation can also retrofitted with the pneumatic drive.
Housing dimensions: LxWxH 690 x 150 x 350 mm.

LiquoFill filler, pneumatic mode of operation
Volumetric piston meter with pneumatic drive, with star contact via foot-operated switch.
For the pneumatic devices, compressed-air supply of 4 - 6 bar is required.
Housing dimensions: LxWxH 1200 x 150 x 400 mm.

LiquoFill pro filler, semi-automatic drive
Cost-effective semi-automatic filling machine with reproducible speed setting. With start contact via foot-operated switch.
With handwheel and display for precise, stepless adjustment of the metering volume.
Housing dimensions: LxWxH 1150 x 135 x 370 mm.



LiquoFill filler, manual mode of operation

Dosing volume ml	Filling nozzle dia. mm	Price €	Item no.	
8 - 80	6/4		5913-0020	N0
20 - 210	8/6		5913-0200	N0
50 - 500	10/8		5913-0500	N0

Accessories

Description	Price €	Item no.	
Height-adjustable filler		5913-0001	N0
LiquoFill filling funnel, approx. 10 l		5913-0002	N0
LiquoFill exchange kit, 8 - 80 ml		5913-0003	N0
LiquoFill exchange kit, 20 - 210 ml		5913-0004	N0
LiquoFill exchange kit, 50 - 500 ml		5913-0005	N0
LiquoFill seal kit for 5913-0020, -2020		5913-0006	N0
LiquoFill seal kit for 5913-0200, -2200		5913-0007	N0
LiquoFill seal kit for 5913-0500, -2500		5913-0008	N0

LiquoFill filler, pneumatic mode of operation

Dosing volume ml	Filling nozzle dia. mm	Price €	Item no.	
8 - 80	6/4		5913-2020	N0
20 - 210	8/6		5913-2200	N0
50 - 500	10/8		5913-2500	N0

Accessories

Description	Price €	Item no.	
Height-adjustable filler		5913-0001	N0
LiquoFill filling funnel, approx. 10 l		5913-0002	N0
LiquoFill exchange kit, 8 - 80 ml		5913-0003	N0
LiquoFill exchange kit, 20 - 210 ml		5913-0004	N0
LiquoFill exchange kit, 50 - 500 ml		5913-0005	N0
LiquoFill seal kit for 5913-0020, -2020		5913-0006	N0
LiquoFill seal kit for 5913-0200, -2200		5913-0007	N0
LiquoFill seal kit for 5913-0500, -2500		5913-0008	N0

LiquoFill pro filler, semi-automatic drive

Dosing volume ml	Filling nozzle dia. mm	Price €	Item no.	
5 - 60	6/4		5913-4060	N0
30- 300	8/6		5913-4300	N0
80 - 1050	10/8		5913-4550	N0

Accessories

Description	Price €	Item no.	
Height-adjustable filler		5913-0001	N0
LiquoFill filling funnel, approx. 10 l		5913-0002	N0
LiquoFill pro exchange kit, 5 - 60 ml		5913-4001	N0
LiquoFill pro exchange kit, 30 - 330 ml		5913-4002	N0
LiquoFill pro exchange kit, 80 - 1050 ml		5913-4003	N0
LiquoFill pro seal kit for 5913-4060		5913-4004	N0
LiquoFill pro seal kit for 5913-4300		5913-4005	N0
LiquoFill pro seal kit for 5913-4550		5913-4006	N0
Pneumatic drip preventer		5913-2000	N0

PastoFill filler for pasty substances

The PastoFill filler was specially developed for manual filling of highly viscous products. PastoFill is handy especially in small series, as the purchase of a stationary filling station designed mostly in large series is often not profitable.
The metering and filling devices are used in production sites and laboratories for cosmetic, pharmaceutical and chemical products, creams, salves as well as in the food and beverage industry.
PastoFill is ready to operate, simple to handle and easy to clean. The fillers can be mounted on the table using a fastener or screwed directly on to the table; they are portable and therefore usable at different places.
The fill quantity can be calibrated precisely and continuously using an adjusting nut, without any tools and can be read at a display.
Parts in contact with the medium are made of stainless steel AISI 316L (1.4404), AISI 316Ti (1.4571), PETP, NBR, PTFE and FCR (Fluorocarbon rubber). Housing made of cast aluminium. Housing dimensions: LxWxH 740 x 500 x 510 mm.
Different filling nozzles (Ø6/4 mm - Ø22/20 mm) facilitate individual filling of diverse containers such as bottles, tubes, nozzles, crucibles or glasses. Do not forget to indicate the desired size while ordering filling nozzles.

- Including feeding funnels 10 l
- Metering accuracy +/- 0.5 %
- 300 - 600 fillings per hour
- Self-feeding made of stainless steel funnel

Accessories:

- Filling nozzles for crucible and tube filling in different diameters
- Cover for feeding funnel

When ordering, please state the material to be filled. We will test the chemical resistance. Please always indicate the desired size when ordering filling tubes.

PastoFill filler for pasty substances

Dosing volume ml	Filling nozzle dia. mm	Price €	Item no.
10 - 160	14/12		5913-1160 N0
30 - 260	14/12		5913-1260 N0

Accessories

Description	Price €	Item no.
PastoFill exchange kit for 5913-1160, 3 - 15 ml		5913-1110 N0
PastoFill exchange kit for 5913-1260, 10 - 50 ml		5913-1111 N0

Drain safety stand

Residual liquid from pump tubes or samplers can be reliably collected with the drain safety stand. The safety stand is resistant to diluted bases and acids. The collecting container can be filled with a neutralisation medium which dilutes and neutralises residual liquid.
The stand pipe is mounted on the wall with sturdy pipe clamps. The pipe clamps can simply be opened to remove the safety stand.
The container for collecting liquid can be unscrewed, making it convenient to replace or empty.

Drain safety stand

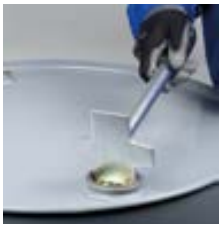
Total length cm	Inner dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
117	35		5		5618-1000	N4

General pump accessories

Threads can be ideally sealed with the sealing tape for threads made of PTFE. Low abrasion, excellent chemical resistance, temperature resistant from -80°C to + 260°C.

Sealing tape PTFE

Width mm	Length m	Price €	Quantity scale from	Scale price €	Item no.	
12	12		10		0006-4514	N3



Universal barrel key for effortless opening even of tight barrel closures 3/4" to 2". An unbreakable tool made of zinc-plated steel.

Universal barrel spanner

Price €	Quantity scale from	Scale price €	Item no.	
	10		5690-0090	N4

Hexagonal nut with inner thread.

Flat seals made of Polyethylene, transparent fitting outer or inner thread.

- PE

Hexagonal nuts

Thread	Material	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	HDPE		10		8537-0012	N3
3/4"	HDPE		10		8537-0034	N3
1"	HDPE		10		8537-0100	N3
2"	PP		10		8537-0200	N3

Flat seals, PE

Thread	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	fits outer thread	10		10		8538-0012	N3
3/4"	fits outer thread	10		10		8538-0034	N3
1"	fits outer thread	10		10		8538-0100	N3
2"	fits outer thread	10		10		8538-0200	N3
1/2"	fits inner thread	10		10		8539-0012	N3
3/4"	fits inner thread	10		10		8539-0034	N3
1"	fits inner thread	10		10		8539-0100	N3

Rubiflex gloves

With short or long gauntlet. Safe working with fats, mineral oils, solvents and many acids and alkalis.

- Made from nitrile rubber
- Very flexible, soft to the touch
- High abrasion and cut resistance
- Comfortable cotton interlock interior
- To standard EN 374

Attention! Make sure to pay attention to the "List of Chemial Resistance"!

Rubiflex protective gloves					
Model	Length cm	Price €	Quantity scale from	Scale price €	Item no.
① standard	37		10		2507-0002 N3
② long wrist	60		10		2507-0003 N3

③ Protective gloves nitrile			
Price €	Quantity scale from	Scale price €	Item no.
	10		2507-0004 N3

Nitrile gloves

Made of nitrile, proven when handling acids, fats and solvents.

Plastic apron made of PVC

Plastic apron made of PVC with eyelets, neck band and waist band welded into the apron, industry quality, black, fabric reinforced, size 80 cm x 100 cm.

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Plastic apron made of PVC			
Price €	Quantity scale from	Scale price €	Item no.
	10		2507-1001 N3

SafetyBox

Panorama safety goggles and protective gloves made of nitrile for personal safety, stored cleanly in a box. Recommended by trade associations.

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

SafetyBox			
Price €	Quantity scale from	Scale price €	Item no.
	10		2507-9000 N3

Eyes Fresh mini eyewash station

Mini eyewash station ideal for the lab, filling stations or all work places where aggressive substances are used. Eyes Fresh can be attached to any standard cold water tap. For normal use of the tap, just press the button and the function changes back from the eye wash (returns automatically to eyewash-function when the tap is closed). Can be fitted onto taps with M22x1, 1/2" or 3/8" outer thread.
With sufficient water pressure provided, performance according to DIN EN 15154-2.

Eyes Fresh mini eyewash station DIN

Model	Price €	Quantity scale from	Scale price €	Item no.
Press button for normal use		5		2515-0100 N4

Eye rinsing bottle

Empty bottle for 600 ml contents, leakproof due to valve and dust protection cap. Instructions printed on (in German language), made of transparent PE.

Eye rinsing bottle PE DIN

Price €	Quantity scale from	Scale price €	Item no.
	10		2507-2000 N3

Wall fixture

Price €	Quantity scale from	Scale price €	Item no.
	10		2507-2001 N3

Eye protection / safety goggles

Ultra light build of only 18 grammes total weight. Maximum flexibility, perfect and slip-free fit.

Safety goggles Ultralight

Colour	Price €	Quantity scale from	Scale price €	Item no.	
blue		5		2502-1002	N3

Ultra-light protective goggles with sporty design, maximum wearing comfort, according to DIN/EN standard.

Casual style safety goggles

Colour	Price €	Quantity scale from	Scale price €	Item no.	
blue/orange		5		2502-2010	N3

Over-goggles with hingeless side pieces and with soft side piece ends. Combines the advantages of goggles with side pieces with the wearing properties of head-bands. The flexible side piece design allows it to adapt to different wearing situations, with or without glasses. DIN EN 166 - 168 and 170.

Safety goggles Ultraflex

Colour	Price €	Quantity scale from	Scale price €	Item no.	
blue		5		2502-1003	N3

With anatomically designed wrap-around screen for an increased degree of safety. Unrestricted view in all directions, larger cover by 20% compared with normal glasses with side pieces, UV protection up to 400 nm.

Safety goggles Style

Colour	Price €	Quantity scale from	Scale price €	Item no.	
black		5		2502-1006	N3

Lightweight, unrestricted lateral sight, variable side pieces and side piece length which can be set to 4 different lengths guarantee the perfect fit without pressure points due to Duo-Flex side pieces, lateral safety shields integrated in the goggle's lens, according to DIN EN 166-168 and 170.

Astrolite safety goggles

Colour	Price €	Quantity scale from	Scale price €	Item no.	
black/blue		5		2502-4000	N3

Eye protection / safety goggles

Anti-fog lens, suitable for wearers of glasses, with ventilation system, unrestricted lateral view, close fitting, pressure-free fit, according to DIN/EN standard.

Ultravision safety goggles

Colour	Price €	Quantity scale from	Scale price €	Item no.	
orange		5		2502-1007	N3

Various colours, pleasantly light. Good adjustability from the option for setting the side pieces to 4 lengths. Shield made of polycarbonate, resistant to high impact with integrated lateral protection. Maximum UV protection.

Color safety spectacles

Colour	Price €	Quantity scale from	Scale price €	Item no.	
yellow/black		5		2502-1004	N3
blue		5		2502-1005	N3
silver grey		5		2502-1010	N3

Very comfortable over-goggles with unrestricted side view, suitable to go over most glasses. 180° field of vision, lateral ventilation through the side shields. Side pieces can be adjusted to 4 lengths. Without coating. With Polycarbonate side pieces. According to DIN EN 166 -168 and 170.

- Ideal as goggles for visitors

Panorama safety goggles

Colour	Price €	Quantity scale from	Scale price €	Item no.	
glass clear		5		2502-1001	N3

Extremely robust eye-wear case with reinforced zipper and belt loop. Suitable for all spectacles, not for safety goggles Ultravision.

Case with belt loop for all glasses with temple

Colour	Price €	Quantity scale from	Scale price €	Item no.	
black		5		2502-1008	N3

Very robust large eye-wear case for panoramic goggles with zipper, belt loop and additional compartment. Suitable for all spectacles and panoramic goggles.

Case with belt loop for all glasses and googles

Colour	Price €	Quantity scale from	Scale price €	Item no.	
black		5		2502-1009	N3

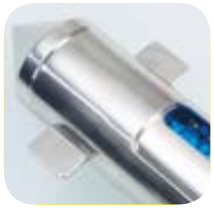


Table of contents samplers

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97 – 119 Samplers for liquids
105 – 111 Vacuum samplers
112 – 116 Dipping bottles
117 – 136 Disposable & sterile samplers
124 – 149 Scoops, scrapers, spoons and spatulas
150 – 151 Ice and meat sampling
152 – 153 Soil sampling
154 – 157 Accessories for samplers

Samplers

Sampling from liquids, bulk goods and viscous media

Take samples – but do it right!

Taking samples

When taking samples, a random test is taken from an overall quantity. These samples serve as the basis for the analysis regarding quality assurance. The correct procedure for taking spot samples is therefore a very important subject. Only with representative and authentic samples can reliable information about the quality, properties or composition of a particular material be provided.
Very precise material analyses can be carried out with the most up-to-date technology. However, the technology is no good if an error occurs when the sample is taken and this error continues through all phases of the analysis, with the consequence that the final result of the quality check is wrong.
Correct information about the properties of a material can only be provided if the sample is taken properly and treated in the same way as in the subsequent analysis. The basic point is that the properties and composition of the sample quantity correspond exactly with the material quantity that has to be evaluated.

Taking samples - but how?

When taking samples, some essential stipulations such as DIN-standards have to be complied with. The recommendation is to follow a company-internal checklist which should be a fixed component of a company's quality standards. All relevant steps for taking samples are documented in this checklist so that they can be traced at any time.

Location for taking samples

The location from where the samples are taken has to be as clean as possible. At the very least, the use of clean samplers, equipment and tools has to be considered. During the procedure, no external

factors must influence the sampling. Even small external contamination can significantly alter the examination result. Detergents which are used to clean the samplers or the sample packaging can also falsify the result of the analysis.

Taking samples - but who? - Qualified personnel

Only skilled personnel should take the samples. It must be guaranteed that sampling is carried out exactly in accordance with the stipulated DIN-standards or internal guidelines.
Technical knowledge is of utmost importance because altered circumstances can only be reacted to on-site. Only trained personnel can quickly and safely recognise mistakes that occur or altered circumstances and react accordingly.

Taking samples - with what? - Sampling equipment

Choosing the right sampling equipment depends on many different selection criteria. It depends on the material properties of the sampler as well as on the type of sampling, the container or the site where the material is located, and the frequency with which the sampling has to be carried out. In addition to individual requirements for sampling, all equipment should fulfil the basic principles explained below:

Sampler material

The equipment should be made of inert substances from which no material can come loose and which does not react with other substances and therefore cannot contaminate the sample. The inert substance depends on the medium to be sampled. As a general rule, samplers made of stainless steel and high-quality plastic such as PTFE are very suitable.

Cleaning the sampling equipment

It should be easy and quick to clean the equipment and – under certain conditions – to sterilise it. In the food industry, sterile-packed disposable samplers are recommended which can be disposed of after use.

Processing the samplers

Samplers must not have any grooves or crevices because residual material collects in such crevices and cannot be easily removed. This means that cross-contamination and memory effects can no longer be ruled out.

Surface of the equipment

The samplers' surfaces have to be especially smooth, for example, electro-polished stainless steel or PTFE. This prevents material from being deposited and simplifies cleaning. When selecting the appropriate sampling equipment, you must ensure that it is finished properly on the inside. Equipment with only a smooth external surface will not meet any quality standards.

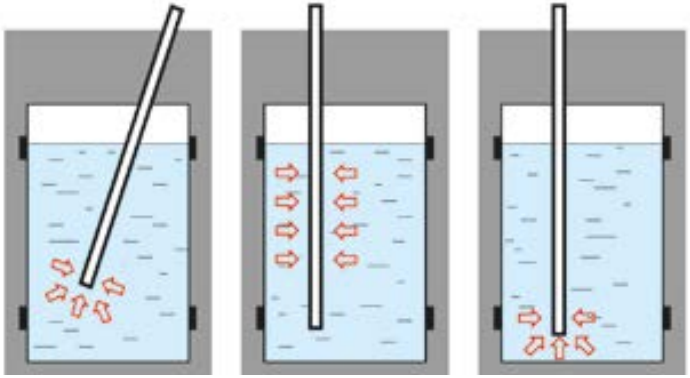
Sampling techniques – physical and analytical sampling

A distinction is made between physical and analytical/chemical sampling.

During **physical sampling,** the bulk density, material distribution, material properties and – if required – colouring or contamination are determined. It is especially important in this case that the sampler does not change or destroy the material's properties while taking the sample. A sample taken onsite still has to be transported. During packing and transport, the same high quality standards should apply as during sampling, so that the sample reaches the laboratory unaltered.

During **analytical sampling,** special attention must be paid to cleanliness in addition to the aspects listed above. However, the material properties can be disregarded at times because the sample will be specially processed. In this case, equipment can be used which changes the physical properties of the material.

Sampling techniques



From the left to the right: Point sampling, cross-sectional sampling, bottom sampling

Cross-sectional sampling
A sample is taken through all material layers to provide a representative cross-section.

Point sampling
A targeted sample is taken from a pre-determined point. This is done to determine the condition of the material precisely at this point, or several point samples are taken over a larger area or in a large volume container to get an authentic cross-section. All point samples together therefore provide a representative cross-section.

Completing the sampling procedure

After the sample has been taken, it must be packed for transport. Clean sampling containers connected directly to the sampling equipment are ideal. The sample has no contact with the environment and is packed for transport at the same time. The same conditions that relate to the sampling equipment also apply to packaging, storage, and transport of a sample.

Here, too, you must pay attention to the cleanliness of the packaging material and the risk of contamination from loose substances. The sample container is then labelled so that no mix-up can occur and taken to the laboratory – if necessary in coolers. Coolers with temperature monitors in which the ideal cooling temperature is maintained, are recommended.

Advice

If samples are taken from sacks or bags, the insertion points must be closed again afterwards. For this, special labels should be used that stick firmly to dirty surfaces and can be written on.

Any questions?

We will be happy to advise you. Talk to us - telephone +49 7635 82795-0. Or send an email to info@buerkle.de.

Bürkle GmbH - your partner for all questions about manual sampling.

Overview on sampling equipment

Product	Page	Liquids, normal	Liquids, aggressive	Liquids, flammable	Viscous substances/muds	Ice	Bulk goods, powders	Soil sampling	Transport of samples	Pharma	Sterile	Accessories
Zone sampler	66						x			x		
All-layer sampler	67						x			x		
EasySampler	69						x			x		
Spiralus Zonensammler	69						x					
Allschicht-Bohrer	70						x					
Schürfstecher	71				x		x					
Scratcher	71				x		x					
PowderProof®	72						x			x		
SiloBohrer	74						x					
SiloPicker	76						x					
Novartos	77						x			x		
MicroSampler	78						x			x		
PharmaPicker	79						x			x		
PharmaSpoon	80				x		x					
StickProof	80						x			x		
Milky	81						x			x		
Tubus	81						x			x		
QuickPicker	82						x			x		
close-it Verschluss-Siegel	84						x		x			x
close-it food & pharma	86						x		x	x		x
close-it tape/food & pharma	87						x		x	x		x
seal-it Plombenetikett	89								x			x
safe-it, secure-it	90								x			x
SampleSafe Plombe	91								x			x
Valve lance	92				x		x					
Pigment lance	92				x		x					
QualiRod	93				x							
Spatula	94				x		x					x
Spatula stainless steel	94				x		x			x		
Mini ViscoSampler	95				x					x		
Stainless steel scoop	95	x		x	x		x			x	x	
ViscoSampler	96				x							
LiquiSampler	97	x	x									
Dip Sampler	98	x										
Disposable plunging siphon	99	x	x									
Scoop made of PTFE	99	x	x							x		
Chemistry scoop	100	x	x		x							
Liquid-sampler	101	x										
TeleScoop	102	x										
Stainless steel beaker	103	x			x		x					
ChemoSampler	104	x	x									
Vampire	105	x	x									
MiniSampler	106	x	x									
ProfiSampler	108	x	x									
UniSampler	110	x										
UniSampler „Ex“	110	x		x								
Dipping bottle	112	x		x								
Immersion cylinder	113	x		x								
Dipping bottle Ex	113	x		x								
Mini immersion cylinder	114	x		x								
Dipping vessel	114	x		x								

Product	Page	Liquids, normal	Liquids, aggressive	Liquids, flammable	Viscous substances/muds	Ice	Bulk goods, powders	Soil sampling	Transport of samples	Pharma	Sterile	Accessories
AquaSampler	115	x	x									
Target immersion cylinder	115	x										
DispoSampler	117	x	x		x		x			x	x	
LiquiDispo	118	x	x							x	x	
DispoPipette	118	x	x							x	x	
DispoTube	119	x	x							x	x	
DispoLadle	119	x	x							x	x	
ViscoDispo	120	x	x		x					x	x	
PowderDispo	120						x			x	x	
DispoPicker	121						x			x	x	
DispoLance	121						x			x	x	
MicroDispo	122						x			x	x	
MultiDispo	122						x			x	x	
TargetDispo	123						x			x	x	
ZoneDispo	123						x			x	x	
SteriPlast® scoops	125				x		x			x	x	
SteriPlast® spatulas	126				x		x			x	x	
SteriPlast® sample spoons	127	x			x		x			x	x	
Food scoops	128				x		x			x	x	
Spatula for foodstuffs	129				x		x			x	x	
Spoon for foodstuffs	129	x			x		x			x	x	
Detectable scoops	130				x		x			x	x	
Detectable spatulas	131				x		x			x	x	
Detectable spoons	131	x			x		x			x	x	
SteriBag	132	x			x	x	x	x	x	x	x	
SteriBag StandUp	133	x			x	x	x	x	x	x	x	
SteriBag Premium	134	x			x	x	x	x	x	x	x	
SteriPlast Kit	134	x			x		x	x	x	x	x	
SteriPlast® sampling tube	135	x	x							x	x	
SteriPlast® syringe	135	x	x		x					x	x	
Spoon spatula	136	x			x		x			x	x	
Micro-spatula	136	x			x		x			x	x	
EasyScoop	138						x					
Scoop V2A (304)	138				x		x					
FoodScoop	139				x		x			x		
PharmaScoop	139				x		x			x		
LaboPlast® scoops	143				x		x			x		
LaboPlast® spatulas	144				x		x			x		
LaboPlast® sample spoons	145	x			x		x			x		
Scrapers LaboPlast®/SteriPlast®	146				x		x			x	x	
Scrapers	148				x							
Scoops made of PP	148						x	x				
Beefsteaker	150				x							
IceSampler	150				x	x						
Ice Drill	151				x	x						
GeoSampler	152							x				
Pürckhauer	152							x				
Mole	153							x				
SnowPack® dry ice machines	154					x			x			
Sampling containers	155								x	x	x	x

Zone samplers | for all kinds of bulk goods

1. Multi sampler (closed chambers)
2. All layer sampler (open inner tube)
3. Uno sampler (one closed chamber)

Bürkle zone samplers are used for taking samples of bulk goods of any kind.
The big advantage of zone samplers is that all-layer samples can be collected from all layers of the container.
Various bulk goods can be collected with the lances, from the finest powder to large grains such as corn or nuts.
The zone samplers are available in different lengths. 55 cm (only Multi, Uno and All-layer sampler) especially suitable for sacks, 85 cm long (especially for barrels, tubs, mixed containers) and 150 cm as well as 250 cm (only Jumbo sampler) for big bags, silos, tanks.
Safe and reliable sampling is made even easier with useful special accessories such as sealing sleeves, Quali-Paper, cleaning brushes, emptying devices and close-it control seals.
The zone samplers are available in different models for different sampling tasks.

- Smallest possible gap between the inner and the outer tube
- Easy cleaning, removable tip
- Colour coding (Multi and Uno sampler)
- Ultra-pure materials
- Excellent processing, robust model

Colour coding: Identification to prevent mixing up multi samplers and single samplers.

Zone samplers | for all kinds of bulk goods

All-layer sampler, with open inner tube, no separate chambers, and large sampling volume. For all-layer samples through all the layers of the sample.

- Aluminium or AISI 316L (1.4404)
- 25 mm Ø

Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, vetches).

All-layer-sampler

Material	Total length cm	Insertion depth mm	No. of openings	Chamber volume ml	Price €	Item no.	
aluminium	55	430	3	70		5317-2055	N4
aluminium	85	710	3	130		5317-2085	N4
aluminium	150	1355	5	260		5317-2150	N4
AISI 316L	55	430	3	70		5316-2055	N4
AISI 316L	85	710	3	130		5316-2085	N4
AISI 316L	150	1355	5	260		5316-2150	N4

Multi sampler with several closed chambers, for multi point sampling from several predetermined sampling depths.

- Aluminium, AISI 316L (1.4404) or AISI 316L/PTFE
- Version made of AISI 316L (1.4404)/PTFE with low weight due to PTFE sample chambers.
- With colour coding system
- 25 mm Ø

Multi sampler

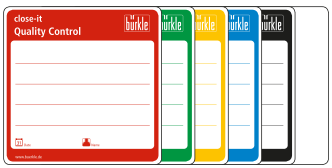
Material	Total length cm	Insertion depth mm	Number of collection chambers	Chamber volume ml	Price €	Item no.	
aluminium	55	430	3	14		5317-1058	N4
aluminium	85	710	3	17		5317-1085	N4
aluminium	150	1355	5	17		5317-1150	N4
AISI 316L	55	430	3	14		5316-3055	N4
AISI 316L	85	710	3	17		5316-3085	N4
AISI 316L	150	1355	5	17		5316-3150	N4
AISI 316L/PTFE	55	430	3	14		5316-0055	N4
AISI 316L/PTFE	85	710	3	17		5316-0085	N4
AISI 316L/PTFE	150	1355	5	17		5316-0150	N4

Uno sampler made of stainless steel AISI 316L (1.4404)/PTFE with a closed sample chamber for point sampling from a predetermined sampling depth.

- Outer tube stainless steel AISI 316L (1.4404), sample chambers made of PTFE
- With colour coding system
- 25 mm Ø

Uno sampler

Material	Total length cm	Insertion depth mm	Number of collection chambers	Chamber volume ml	Price €	Item no.	
AISI 316L/PTFE	55	430	1	17		5316-1055	N4
AISI 316L/PTFE	85	710	1	17		5316-1085	N4
AISI 316L/PTFE	150	1355	1	17		5316-1150	N4



close-it seals openings. See page 84.

Use

1. Turn the handle, close the chambers.
2. Insert the sampler to the required depth.
3. Open the chambers, sample flows into the chamber.
4. Close the chambers.
5. Pull out the sampler.
6. Close the insertion opening with the close-it control seal.
7. Empty the chambers onto Quali-Paper or with the emptying device.

Zone samplers | for all kinds of bulk goods

Jumbo sampler with a tube diameter of 50 mm, ideal for coarse grains and larger quantities. With an open inner tube and large sampling volume, for all-layer samples through all layers of the sample or with sample chambers separated by PTFE separators for multi point sampling from several predetermined sampling depths.

- Aluminium or aluminium/PTFE
- 50 mm Ø

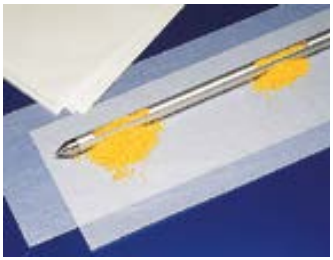
Jumbo sampler

Model	Total length cm	Material	Insertion depth mm	No. of openings	Chamber volume ml	Price €	Item no.	
All layer - open inner tube	85	aluminium	710	3	880		5319-1085	N4
All layer - open inner tube	150	aluminium	1355	5	1700		5319-1150	N4
All layer - open inner tube	250	aluminium	2355	7	2900		5319-1250	N4
Multi - closed chambers	85	aluminium/PTFE	710	3	390		5319-2085	N4
Multi - closed chambers	150	aluminium/PTFE	1355	5	650		5319-2150	N4
Multi - closed chambers	250	aluminium/PTFE	2355	7	910		5319-2250	N4

Accessories for zone samplers

Emptying device

Zone sampler sealing sleeves



Quali-Paper for zone sampler

Cleaning brushes

Emptying device

Model	Material	Length cm	Price €	Quantity scale from	Scale price €	Item no.	
device with 3 funnels	AISI 304	100		5		5317-0030	N4
emptying funnel separate	AISI 304			3		5317-0033	N4

Sealing sleeves

Dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
25	3		10		5317-0011	N4
50	3		10		5317-0010	N4

Quali-Paper

L x W cm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
100 x 23	50		10		5317-0001	N4

Cleaning brushes

Dia. mm	Length cm	Material	Price €	Quantity scale from	Scale price €	Item no.	
25	40	PVC/stainless steel		10		5304-0040	N4
25	60	PVC/stainless steel		10		5304-0060	N4
25	80	PVC/stainless steel		10		5304-0080	N4
25	100	PVC/stainless steel		10		5304-0100	N4
50	100	PVC/stainless steel		5		5304-5100	N4
50	300	PVC/stainless steel		5		5304-5300	N4

Zone sampler Spiralus

- Representative sample of the container layers.
- Aluminium, anodised
- Tip PA
- 38 mm Ø
- Low weight

Zone sampler Spiralus guarantees precise zone sampling through all layers of the sample. The spiral arrangement of the sampling slits means that these are opened one after the other from bottom to top. In this way the lowest opening is filled first and then those above it in sequence until the complete Spiralus has been filled. The shape of the sampling slits prevents seeds from being cut up. The zone sampler Spiralus provides an excellent all-layer sample.

Applications

Spiralus is particularly suitable for sampling coarse-grained bulk goods, seeds and pellets at locations such as soil heaps, warehouses, trucks, railway goods wagons, etc.

Zone sampler Spiralus

Total length cm	No. of openings	Weight g	Chamber volume ml	Price €	Item no.	
145	8	1400	770		5318-0145	N4
200	8	2000	1100		5318-0200	N4

Accessories

Description	Price €	Item no.	
Cleaning brushes 50 mm dia., length 1000 mm		5304-5100	N4

EasySampler | easy to empty

- Stainless steel AISI 316L (1.4404)
- For sample opening from 52 mm Ø

It is possible to take multiple samples from bulk goods with this sampler quickly and easily.

Emptying has been greatly simplified and in this model takes place via the tip. The advantage: The sample can be emptied directly into the sample container without having to disassemble the EasySampler, in order to obtain a mixed sample for instance.

The bulk material must be free-flowing or self-flowing.

EasySampler has been developed in cooperation with an international chemical concern based in Ludwigshafen, Germany.

EasySampler

Chamber volume ml	Total length cm	Tube Ø mm	Price €	Item no.	
60	100	32		5360-0600	N2
200	104,5	32		5360-1000	N2

All-layer drill

The all-layer drill is a special zone collector specifically designed for heavily compacted substances. Often it is very difficult or impossible with conventional zone collectors to penetrate media of this type and take a sample extending through all layers. By contrast, the drilling blades of the all-layer drill burrow easily and quickly to the required depth without expending any great force. This makes it easy to take samples of media, even those with high density, and every type of highly compacted powders and granulates.
The all-layer drill thus allows you to take a representative sample through all the layers, even with greatly compressed media.
It is ideal for larger containers, mixed containers, big bags, etc. in the building materials, chemical, pharmaceutical, food and luxury items industries.

- Stainless steel AISI 316L (1.4404)
- 25-mm diameter

Use

1. The all-layer drill is screwed manually into the bulk material.
2. The chambers are opened at the desired sample depth and the sample material flows in.
3. Close the chambers.
4. Remove or unscrew the all-layer drill.
5. Empty the sample through the open inner tube.

All-layer drill							
Material	Total length cm	Insertion depth mm	No. of openings	Chamber volume ml	Price €	Item no.	
AISI 316L	150	1355	5	260		5310-0150	N4

Accessories

Description	Price €	Item no.	
Cleaning brushes 25 mm dia., length 100 cm		5304-0100	N4

All-layer-scratcher

The scratcher is a special sampler for powders and granules that do not flow freely.
The sample is transferred to the closable inner tube using a scraper. Sliding PTFE separators are used to divide the inner tube into different zones. The separators also prevent the sample from being mixed.

- For caked bulked goods
- Zones can be varied due to moveable PTFE separators.
- Made of stainless steel AISI 316L (1.4404) and PTFE

All-layer-scratcher				
Dia. mm	Length mm	Chamber volume ml	Price €	Item no.
25	1000	180		5351-1000 N2

Accessories

Description	Price €	Item no.
Cleaning brushes 25 mm dia., length 100 cm		5304-0100 N4

Scratcher | for non-pourable substances

The scratcher has particularly been designed for sampling cohesive, caked and not free-flowing substances.

- Stainless steel AISI 316L (1.4404)
- Electro-polished
- Total length 1000 mm

Use

1. Insert the closed lance into the sample.
2. Open the inner tube by turning the sample chamber when at the required depth.
3. Turn the scratcher by 360° in the sample, the scraper directs the caked material into the sample chamber.
4. Close the sample chamber.

Scratcher				
Chamber volume ml	Flute length mm	Outer dia. with scraper mm	Price €	Item no.
5	22	25		5347-0005 N2
10	45	25		5347-0010 N2
25	110	25		5347-0025 N2

PowderProof® | mobile powder sampling

Quality assurance starts with the inspection of incoming goods! An all-layer sample of bulk goods is no longer a problem with PowderProof®, the sampler for powders and granules.

PowderProof® is the practically proven professional solution for mobile sampling of powders and granules. Different lances and augers can be attached to the robust drive unit and swapped without any problems. This modular design makes PowderProof® a versatile instrument for sampling powders and granules from drums, barrels, bags or sacks.

Safe and reliable sampling is made even easier with useful accessories such as basket-enclosed bottles, sample bags and close-it control seals.

PowderProof® with lance for horizontal use, such as sampling from sacks, with lance for vertical use, for sampling from open containers such as barrels, drums or bags.

PowderProof® | mobile powder sampling

- Many uses
- Stainless steel AISI 316L (1.4404)
- Incl. motor, two rechargeable batteries, LED-lamp, fast charger, clip for holding the bag and cleaning brush
- Additional augers available as accessory

Use

1. The lance is inserted into the sack/container with the spiral screw rotating.
2. The powder or granules are immediately transported through the lance and filled directly into a sample bag or bottle at the lance outlet.
3. Any excess sample remaining in the lance is returned to the sack by reversing the spiral screw direction.

PowderProof® for horizontal... ... and vertical use

PowderProof®

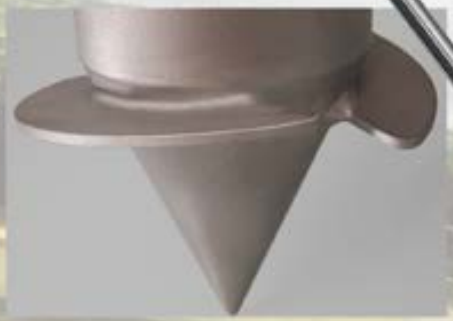
Model	Lance	Insertion depth mm	Price €	Item no.	
for powders up to 2 mm dia.	horizontal	300		5302-0302	N2
for powders up to 2 mm dia.	vertical	600		5302-0602	N2
for powders up to 2 mm dia.	vertical	900		5302-0902	N2
for powders up to 2 mm dia.	vertical	1200		5302-1202	N2
for granules from 2 up to 4 mm dia.	horizontal	300		5302-0301	N2
for granules from 2 up to 4 mm dia.	vertical	600		5302-0601	N2
for granules from 2 up to 4 mm dia.	vertical	900		5302-0901	N2
for granules from 2 up to 4 mm dia.	vertical	1200		5302-1201	N2

Accessories

Description	Price €	Item no.	
Spiral screw PowderProof® for powders up to 2 mm dia., for 300 mm		5302-0312	N2
Spiral screw for PowderProof® for powders up to 2 mm dia., for 600 mm		5302-0612	N2
Spiral screw for PowderProof® for powders up to 2 mm dia., for 900 mm		5302-0912	N2
Spiral screw for PowderProof® for powders up to 2 mm dia., for 1200 mm		5302-1212	N2
Spiral screw for PowderProof® for granules 2 - 4 mm dia., 300 mm		5302-0311	N2
Spiral screw for PowderProof® for granules 2 - 4 mm dia., for 600 mm		5302-0611	N2
Spiral screw for PowderProof® for granules 2 - 4 mm dia., for 900 mm		5302-0911	N2
Spiral screw for PowderProof® for granules 2 - 4 mm dia., for 1200 mm		5302-1211	N2
Bag clip for PowderProof®		0006-6259	N4
Transport case LxWxH 123x25x11 cm (not for 1200 mm)		3600-2120	N4
Sampling bottle LDPE 500 ml		0318-0500	N3
Basket for sample bottles 500 ml, Ø 84 mm, incl. holding ring		5302-2050	N2
Basket for sample bottles 1000 ml, Ø 100 mm, incl. holding ring		5302-2100	N2
Packaging bags with closure, 170x120 mm, 400 ml, 100 pieces		2348-0005	N3

SiloDrill | for sampling from silo vehicles

- Drill tip with drilling blades for easy boring



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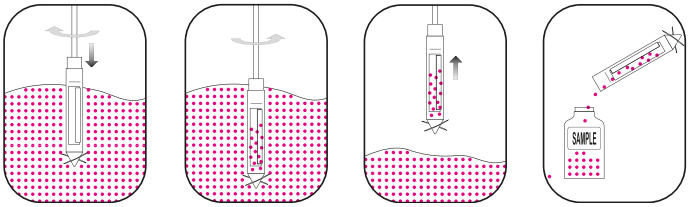
SiloDrill | for sampling from silo vehicles



If bulk goods are transported over long distances (in trucks, railway goods wagons), separation may occur.
Taking the sample just from the surface therefore leads to the wrong result.
Representative samples from all layers of the silo can be taken with the SiloDrill. The SiloDrill fits through all standard openings with its diameter of 90 mm.

- Of stainless steel AISI 304 (1.4301) or aluminium
- Standard length 150 cm, extendable in increments of 100 cm, max. 350 cm
- Sprung inner tube prevents jamming of coarse grains
- Scraper edge for cohesive substances
- Sturdy, removable T-handle
- Drill tip with drilling blades for easy boring
- Easy removal of the sample chamber, simple cleaning

SiloDrill

Material	Total length cm	Spiral screw dia. mm	Chamber dia. mm	Volume ml	Price €	Item no.	
aluminium	150	90	40	400		5301-1000	N4
AISI 304	150	90	40	400		5301-2000	N4

Accessories

Description	Price €	Item no.	
SiloDrill extension AISI 304, 100 cm		5301-0500	N4
Transport case LxWxH 123x25x11 cm		3600-2120	N4

Silo sampler SiloPicker

The SiloPicker is ideal for taking bulk goods samples from silos. Using the extension rods, samples can be taken from depths down to 3.5 m.
The insertion depth depends on the density of the bulk goods.

- Stainless steel AISI 316L (1.4404)

Use

1. Insert SiloPicker into the bulk goods. When this is done, the closure sleeve automatically closes the collection container.
2. When the sampling depth has been reached, the closure sleeve is opened by gently pulling back the SiloPicker, the sampling container is filled.
3. Pull out the SiloPicker and empty it.

Silo sampler SiloPicker					
Chamber volume ml	Length cm	Outer dia. mm	Price €	Item no.	
100	130	50		5340-1100	N4

Accessories

Description	Price €	Item no.	
SiloPicker extension 50 cm		5380-0508	N4
SiloPicker extension 100 cm		5380-1008	N4
SiloPicker handle		0006-8112	N4
SiloPicker sample container		5340-0100	N4
Transport case LxWxH 123x25x11 cm		3600-2120	N4

Unit-Dose-Sampling

During powder separation checks and purity validations of powders, liquids and semi-solid substances, special procedures (unit-dose-sampling) must be employed to achieve the desired results.

Special sampling methods, which are required especially in the pharmaceutical industry in conformance with FDA and GMP specifications, require samplers with special features.

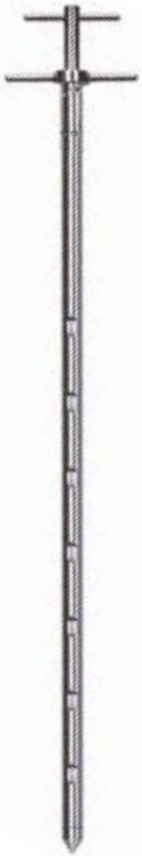
- High degree of preciseness
- Groove-free surfaces, electro-polished if possible
- AISI 316 stainless steel or PTFE materials
- Sterilisable
- Easy and perfect cleaning

Many Bürkle Samplers fulfill these demands, have been tested in actual practice, and are distinguished by especially sturdy and precise machining.

Novartos is a pharma zone sampler for unit-dose sampling:

- For various sampling depths with simultaneous double sample (Duo-Sampler).
- Precise volume calibration with 40 exchangeable sample inserts with volumes from 0.1 ml to 4.0 ml, in increments of 0.1 ml.

Novartos | pharma zone sampler for sampling according to FDA guidelines for unit-dose sampling



The Novartos Multi has 14 sample chambers for up to seven sample zones for an all-layer sample.

Novartos was developed on cooperation with a globally-operating pharmaceuticals and chemicals corporation located in Basel, Switzerland.

- The sample inserts fit precisely and can easily be replaced.
- Inserts are available in volumes from 0 to 4.0 ml
- The insertion depths can easily be read from the laser-engraved depth scale
- Stainless steel AISI 316L (1.4404) / AISI 316Ti (1.4571)
- Groove-free and hand-polished
- 25 mm Ø

Novartos Uno sampler with two sample chambers, for one sample zone.

Novartos double-sample

⚠ Please order inserts separately!

Novartos the Pharma zone sampler for sampling according to FDA guidelines for Unit-Dose-Sampling. It is now possible to withdraw a double-sample without inserting the lance repeatedly into the bulk material. Mixing is mainly prevented in this way.

One significant advantage of Novartos is the easy cleaning.
Complete filling and emptying of sample chambers has been improved substantially using computer-optimised geometry. There are no crevices or dead spaces where sampling residues can collect.

- Novartos Uno for targeted sampling
- Novartos Multi enables all-layer samples

Novartos Multi

Model	Length mm	Price €	Item no.	
without inserts	1000		5358-1000	N4

Accessories

Description	Price €	Item no.	
Transport case LxWxH 123x25x11 cm		3600-2120	N4

Novartos Uno

Model	Length mm	Price €	Item no.	
without inserts	600		5358-0600	N4
without inserts	1000		5358-1001	N4
without inserts	1400		5358-1400	N4

Accessories

Description	Price €	Item no.	
Transport case LxWxH 123x25x11 cm (not for Novartos 1400 mm)		3600-2120	N4

Accessories

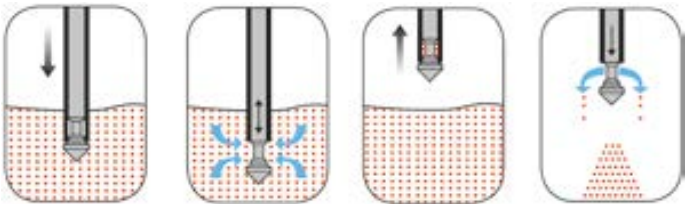
Description	Price €	Item no.	
Inserts for Novartos Multi capacity 0,0 ml		5358-0000	N4
Inserts for Novartos Multi, capacity 0,5 ml		5358-0005	N4
Inserts for Novartos Multi, capacity 1 ml		5358-0010	N4
Inserts for Novartos Multi capacity 1,5 ml		5358-0015	N4
Inserts for Novartos Multi, capacity 2 ml		5358-0020	N4
Inserts for Novartos Uno, capacity 0 ml		5358-0100	N4
Inserts for Novartos Uno, capacity 0,5 ml		5358-0105	N4
Inserts for Novartos Uno, capacity 1 ml		5358-0110	N4
Inserts for Novartos Uno, capacity 2 ml		5358-0120	N4
Inserts for Novartos Uno, capacity 3 ml		5358-0130	N4
Inserts for Novartos Uno, capacity 4 ml		5358-0140	N4

MicroSampler | useful for taking small samples, sterilisable

The MicroSampler has especially been designed for the sampling of small quantities of powder.
Volumes of 0.2 ml, 0.5 ml, 1.0 ml, 2.0 ml, 5.0 ml and 10 ml can be sampled easily, quickly and cleanly from different sampling depths from sacks or containers.
The tips of the MicroSampler are interchangeable. This means that tips with different volumes can be used.

- Point sampling
- Various lengths and volumes are available
- Tip can be removed, easy cleaning
- Stainless steel AISI 316L (1.4404)
- Sterilisable
- Additional tips are available in different sizes

⚠ Please order lance and head separately!



Use

1. Insert MicroSampler into powder.
2. At the predetermined point, open the volume tip by pressing the button, the sample flows in.
3. Close the volume tip, the sample is collected.
4. Pull back the lance, open the volume tip again, empty the sample.

MicroSampler

Tube Ø mm	Length cm	Model	Price €	Item no.
12	55	without head		5307-1055 N4
12	85	without head		5307-1085 N4
12	120	without head		5307-1120 N4
25	55	without head		5307-2055 N4
25	85	without head		5307-2085 N4
25	120	without head		5307-2120 N4

Accessories

Description	Price €	Item no.
MicroSampler heads fits tube with 12 mm dia., capacity 0,2 ml		5307-0102 N4
MicroSampler heads fits tube with 12 mm dia., capacity 0,5 ml		5307-0105 N4
MicroSampler heads fits tube with 12 mm dia., capacity 1 ml		5307-0110 N4
MicroSampler heads fits tube with 25 mm dia., capacity 2 ml		5307-0202 N4
MicroSampler heads fits tube with 25 mm dia., capacity 5 ml		5307-0205 N4
MicroSampler heads fits tube with 25 mm dia., capacity 10 ml		5307-0210 N4

PharmaPicker | for sampling very small quantities

For sampling very small quantities of highly potent, expensive or active powders for analysis. The smallest sample quantities from 0.1 ml to 2.5 ml can be collected with the PharmaPicker. By simply exchanging the volume tip in the collection cylinder for 0.1 - 1.2 ml or 1.25 - 2.5 ml, the sampling volume is modified.
The PharmaPicker has a length of 60 cm and can be extended repeatedly by 50 cm or 100 cm, maximum length 3.50 m. The PharmaPicker is available separately or as PharmaPicker Case in a handy transport box.
PharmaPicker Case consisting of: Collection cylinders in both sizes, extension rod 50 cm and 100 cm, handle, volume tips 0.4 ml, 0.6 ml, 0.8 ml, 1.0 ml, 1.2 ml, 1.4 ml, 1.8 ml, 2.0 ml, 2.3 ml and 2.5 ml (alternative sample volumes on request), transport box.

Use

1. Insert the required volume tip into the collection cylinder.
2. Insert the PharmaPicker, the disc sleeve closes the collection cylinder automatically.
3. The disc sleeve opens the collection cylinder at the required point, and the desired sample is collected.
4. Withdraw the PharmaPicker completely.
5. Empty the sample directly from the collection cylinder into the analysis container.

- Stainless steel AISI 316L (1.4404)
- Electro-polished

⚠ Please order lance and head separately!

PharmaPicker		
Model	Price €	Item no.
with collection cylinder for 0.10 - 1.20 ml, without head		5346-1000 N2
with collection cylinder for 1.25 - 2.50 ml, without head		5346-2000 N2
Case, completely		5346-0010 N2

Accessories		
Description	Price €	Item no.
Volume heads for PharmaPicker, capacity 0,10 ml		5346-1010 N2
Volume heads for PharmaPicker, capacity 0,20 ml		5346-1020 N2
Volume heads for PharmaPicker, capacity 0,60 ml		5346-1060 N2
Volume heads for PharmaPicker, capacity 1,00 ml		5346-1100 N2
Volume heads for PharmaPicker, capacity 2,00 ml		5346-2200 N2
Volume heads for PharmaPicker, capacity 2,50 ml		5346-2250 N2

Accessories		
Description	Price €	Item no.
Extension rod PharmaPicker 500 mm		5380-0506 N4
Extension rod PharmaPicker 1000 mm		5380-1006 N4
Collection cylinder for 0,10 - 1,20 ml, without volume head		5346-1001 N2
Collection cylinder for 1,25 - 2,50 ml, without volume head		5346-2001 N2
Handle PharmaPicker		0006-8113 N3

PharmaSpoon | for ultrapure sampling

PharmaSpoon for taking samples of powdery substances, intermediate products and material in the pharmaceutical industry. Special materials with excellent surface qualities must be used for this to prevent cross-contamination. Our PharmaSpoon fulfils these requirements. Made of stainless steel AISI 316L (1.4404), surface highly polished by hand (not electro-polished!). The excellent surface properties of the PharmaSpoon provide significant advantages.

- Possible residues are even visible in the trace sector (µg sector)
- The surface is easy to clean
- The PharmaSpoon is also suitable for sterile sampling

The PharmaSpoon was developed by an internationally known pharmaceutical company in Basel, Switzerland, and its usefulness has been confirmed in actual practice.

PharmaSpoon

Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
650		5		5324-0001	N2

StickProof

Sampler for powder in the pharma area, made of stainless steel AISI 316L, material 1.4404. The especially slender tip can be inserted easily and deeply in order to take the sample. The conical inlet of the tip allows the collection of either very small or larger quantities. StickProof is constructed in one piece without edges, grooves or crevices for perfect and easy cleaning. The sample can be filled directly into the sampling bag from the outlet end. Fasten the bag with a sturdy clamp.

Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, vetches).

- Surface electro-polished
- Various sample quantities up to approx. 50 ml
- Incl. clamp and 100 PE sampling bags 120 x 170 mm

StickProof

Length mm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
410	25		5		5338-0410	N4
1100	25		5		5338-1100	N4

Accessories

Description	Price €	Item no.	
StickProof clamp		5338-0001	N2
Packaging bags with closure, 170x120 mm, 400 ml, 100 pieces		2348-0005	N3
close-it control seals see page 84			

Sampling lance Milky | acc. to EN ISO 707

Universal powder and granules sampler made of stainless steel AISI 316L (1.4404). Developed initially for milk powder samples, conforms to standards of DIN and IDF (International Dairy Federation). The collector is inserted into bags or casks and the sample is removed using a semi-circular profile lance.

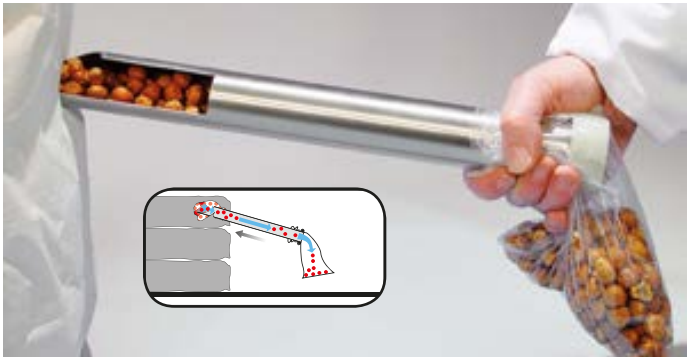
- Stainless steel AISI 316L (1.4404)
- Insertion depth 385 mm
- Total length 480 mm
- Outer diameter approx. 28 mm

close-it seals and close-it food & pharma lock seals ensure non-leak closure of the insertion point in bags and BigBags.
See page 84.

Sampling lance Milky

Volume ml	Price €	Quantity scale from	Scale price €	Item no.	
150		5		5321-0300	N4

Sampler Tubus



Sampler for pourable bulk goods up to approx. 1 cm in diameter. This makes it possible, for example, to remove hazel nuts, blends of tea, grain or similar items from large sacks.

- Also for coarse-grained bulk goods
- Made of stainless steel AISI 316L (1.4404)
- Special geometry of the tip

Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, vetches).

Use

1. Insert Tubus into a sack to the desired sampling depth, while keeping the collection tube closed using your hand.
2. When you remove your hand, the sample flows directly through the open tube into the container or sampling bag beneath it.

Sampler Tubus

Length cm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
40	40		10		5382-0040	N4
80	40		10		5382-0080	N4

Accessories

Description
close-it food & pharma control seals see page 86

QuickPicker | collects samples quickly and channels them directly into the sampling bottle

The core sampler QuickPicker is particularly suitable in the event that bulk goods are taken directly from sacks or bags and have to be filled into the original sampling bottle directly. QuickPicker is uncomplicated in its use and cleaning. No undercuts or edges mean no sample residues which could falsify subsequent samples. It is therefore ideal for quality control.
The sampler QuickPicker is delivered complete with two 250 ml PE sample bottles and with a cleaning brush.

QuickPicker | collects samples quickly and channels them directly into the sampling bottle

- Insertion depth 30 cm, diameter 25 mm
- Made of stainless steel AISI 316L (1.4404) approved for use with foodstuffs or PP transparent for aggressive chemicals, scratchproof, sterilisable, cost-effective
- Removable tip, easy cleaning
- Additional sampling bottles made of PE or PP available as accessories

QuickPicker V4A in use

Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, wetches).

close-it seals and close-it food & pharma lock seals ensure non-leak closure of the insertion point in bags and BigBags.
See page 84.

QuickPicker

Material	Insertion depth mm	Total length cm	Volume ml	Price €	Quantity scale from	Scale price €	Item no.
AISI 316L	300	50	75		5		5322-1300 N4
PP, transparent	300	50	75		5		5322-0300 N4

Accessories

Description	Price €	Item no.
Sampling bottle LDPE, 250 ml		0318-0250 N3
Sampling bottle PP, 250 ml		0319-0250 N3
Transport case for QuickPicker		3600-3000 N3
close-it control seals see page 84		

close-it control seal | essential for sampling

- close-it – standard size 95 x 95 mm
- close-it Maxi - 150 x 150 mm, for larger holes or longer tears in containers
- The labels are supplied in handy rolls
- The cross perforations allow each label to be separated from the roll individually

close-it control seal | essential for sampling

Taking samples from sacks, boxes, bags, etc. with sampling lances is a common and time-proven practice. This produces holes through which easily flowing bulk goods could escape from the container. With the close-it seal, this can be prevented in an uncomplicated manner.

close-it has been especially developed for this purpose. The label has a sandwich-type structure (aluminium/ paper) and seals the container hermetically (vapour barrier). This virtually prevents hygroscopic powders from clumping together. The label is not just used to provide a hermetic seal. It is also used for providing quality control information (sampling date, release yes/no, name of tester, etc.).
The labels are available in different colours. With printing in red, blue, green, yellow, black, neutral, without printing in white.

close-it can be written on with ball-point pen, pencil or felt-tip marker.
The rear of the label is coated with a powerful adhesive. This means that close-it sticks firmly to most commercial containers, even to surfaces coated with fine powder, slightly moist or even frozen surfaces where conventional labels or adhesive tape will not stick.

Control seal close-it 95x95

Colour	Model	W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.
red	printed	95 x 95	500		10		5303-0012 N4
yellow	printed	95 x 95	500		10		5303-0014 N4
blue	printed	95 x 95	500		10		5303-0015 N4
green	printed	95 x 95	500		10		5303-0016 N4
black	printed	95 x 95	500		10		5303-0011 N4
white	unprinted	95 x 95	500		10		5303-0002 N4

Accessories

Description	Price €	Item no.
close-it dispenser for labels with 95 x 95 mm		5303-9000 N4

Control seal close-it maxi 150x150

Colour	Model	W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.
red	printed	150 x 150	250		10		5303-1012 N4
yellow	printed	150 x 150	250		10		5303-1014 N4
blue	printed	150 x 150	250		10		5303-1015 N4
green	printed	150 x 150	250		10		5303-1016 N4
black	printed	150 x 150	250		10		5303-1011 N4
white	unprinted	150 x 150	250		10		5303-1002 N4

Accessories

Description	Price €	Item no.
close-it dispenser for labels with 150 x 150 mm		5303-9100 N4

Control seal close-it food & pharma

In response to numerous requests from our customers, we have developed close-it food & pharma, a control seal with an adhesive approved for use with foodstuffs. The strength of the adhesive is almost as powerful as that of the original, the close-it from Bürkle, proven millions of times. close-it food & pharma also reliably prevents products from leaking out after sampling.
The adhesive complies with the European guidelines for foodstuffs. Just like the original, close-it food & pharma has a barrier layer of aluminium foil. This means that close-it food & pharma is suitable for sampling foodstuffs, pharmaceuticals, cosmetics, food additives, even frozen goods – in short, for all applications in which cleanliness is particularly important.

- According to FDA Guidelines
- Particularly suited for the food and pharma industry

Control seal close-it food & pharma 95x95

Colour	Model	W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.	
red	printed	95 x 95	500		10		5303-2017	N4
yellow	printed	95 x 95	500		10		5303-2020	N4
blue	printed	95 x 95	500		10		5303-2021	N4
green	printed	95 x 95	500		10		5303-2022	N4
black	printed	95 x 95	500		10		5303-2023	N4
white	unprinted	95 x 95	500		10		5303-2018	N4

Accessories

Description	Price €	Item no.	
close-it dispenser for labels with 95 x 95 mm		5303-9000	N4

Control seal close-it food & pharma Maxi 150x150

Colour	Model	W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.	
red	printed	150 x 150	250		10		5303-3017	N4
yellow	printed	150 x 150	250		10		5303-3020	N4
blue	printed	150 x 150	250		10		5303-3021	N4
green	printed	150 x 150	250		10		5303-3022	N4
black	printed	150 x 150	250		10		5303-3023	N4
white	unprinted	150 x 150	250		10		5303-3018	N4

Accessories

Description	Price €	Item no.	
close-it dispenser for labels with 150 x 150 mm		5303-9100	N4

close-it[tape]

Besides the individually detachable close-it and close-it food & pharma closure labels, our repeatedly tested and proven control seal is now also available on a continuous roller. This helps you discover whether you require only a small piece, for example for closing a small hole, or for marking a specific point. Or whether you want to repair a long crack or a large hole quickly, reliably and easily.

With its extremely strong adhesive strength, close-it tape holds on the most diverse bases, where the glue effect of normal adhesive tape quickly reaches its maximum capacity.

For universal use, we have kept the adhesive tape close-it tape in white with tear-off lines. It can be labelled with permanent ink and locks gas-proof. Available in the classic close-it design, as well as close-it tape food & pharma, with a food-compatible adhesive.

- Customizable
- Different designs
- For larger holes or longer tears in containers

close-it tape

Width mm	Model	Length m	Price €	Quantity scale from	Scale price €	Item no.
95	standard	50		10		5303-0017 N4
150	standard	50		10		5303-1017 N4
95	food & pharma	50		10		5303-2019 N4
150	food & pharma	50		10		5303-3019 N4

Accessories

Description	Price €	Item no.
close-it dispenser for labels with 95 x 95 mm		5303-9000 N4
close-it dispenser for labels with 150 x 150 mm		5303-9100 N4

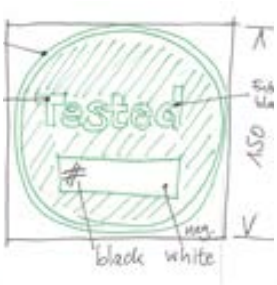
close-it | with individual customer-specific special printing

Custom-made according to the customer's specifications

The close-it control seal has many satisfied users who use close-it as a control seal, for documentation or as an informative label.

Your individual close-it

We would be happy to help you design your own close-it. Do you need final artwork for your draft? Or would you like to use our complete graphics service from draft stage through the print process? Our advertising department would be happy to consider any challenge!



Your idea

Our draft

Finishing and print

Your close-it label

Shape and colour

Round, square, rectangular or other shape? Unusual contours can also be implemented! We would be pleased to provide you with a quote. Of course print is available in all colours, with either single or multiple colours.

Finishing

close-it can be manufactured with or without carrier paper perforations. Different numbers of close-it labels can be supplied in a single roll.

seal-it security seal | for retention samples and tamper-proof packs

Retention samples are kept to provide a sample for comparison at a later date. The unambiguous proof that the retention sample is identical to the original sample is only possible with clearly marked and sealed containers. However, sealing is frequently not possible unless eyelets are present.
seal-it provides the solution! The seal-it self-adhesive label sticks to all conventional containers. Thanks to its unbelievable adhesive power it cannot be removed.

If a container opening is closed with seal-it, then the container cannot be opened without destroying the seal-it label. seal-it is additionally provided with several cross-perforations which immediately tear when manipulated like a motorcar tax disc.

seal-it can be used to securely seal bottles, sample bags, sacks, specimen bags, envelopes, etc. – in principle any type of container. The aluminium foil adapts seal-it to any container shape. The white labelling field on seal-it can be written on with all conventional writing tools with, for example, contents information, sampling date, name of operator, etc.

- Clear identification via numbers in sequence
- Integrated control label with the same number, for accompanying documents
- Format 178 mm long, 30 mm wide
- Tear-off perforation for each label

seal-it security seal

Length mm	Width mm	Colour	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.	
178	30	red	500		5		5399-0003	N4

close-it dispenser

The close-it dispenser ensures safe storage and simple removal of the labels. The labels can be conveniently written on due to the marking plate.

- For close-it standard size 95 x 95 mm or close-it Maxi 150 x 150 mm

close-it dispenser

Model	Price €	Item no.	
for labels with 95 x 95 mm		5303-9000	N4
for labels with 150 x 150 mm		5303-9100	N4

Tamper proof labels safe-it and secure-it

The safety labels safe-it and secure-it are used as originality seals and as protection from manipulations of e.g. samples, retention samples, for transporting samples, sealing containers with important or dangerous chemicals in the lab as well as sealing letters, shipments and much more.

The initial opening of a package is made obvious and irrevocably visible with the seal guaranteeing originality, unauthorised opening can therefore be proven.

If the safety label is removed, it divides into separate layers. A pattern that was previously hidden appears on the surface and is irreversible. The glue leaves a residue on the surface that cannot be removed (a so-called void label). Once the label has been removed, it cannot be used again. Changing the label or modifying it afterwards are therefore not possible.

When the safe-it security seal has been broken, a silver checkerboard pattern appears on both the subsurface and surface of the sticker itself.

- With checkerboard pattern
- Visible proof of tampering

Tamper proof labels safe-it

W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.	
95 x 20	500		5		5303-5000	N4

Accessories

Description	Price €	Item no.	
close-it dispenser for labels with 95 x 95 mm		5303-9000	N4

Tamper proof labels secure-it

When the secure-it security label has been broken, a bright purple stop sign pattern appears on both the subsurface and surface of the sticker itself. A labelling field is available for comments and notes.

- With labelling field
- With stop sign pattern
- Visible proof of tampering

Tamper proof labels secure-it

W x H mm	Pieces per roll	Price €	Quantity scale from	Scale price €	Item no.	
95 x 20	500		5		5303-5010	N4

Accessories

Description	Price €	Item no.	
close-it dispenser for labels with 95 x 95 mm		5303-9000	N4

SampleSafe seal | secure your samples

Retained samples must be always secured against falsification and ambiguity in identification. Bottles with sealing eyelets should therefore be secured with SampleSafe seals.

The seals are made of stable polypropylene. The seals are to be uniquely identified with the serial 9-digit number.

The seal ring has a diameter of 2 mm, therefore SampleSafe seals also fit through small eyelets and slits. The seal tape is secured in the closure chamber by a metal insert made of stainless spring steel. The one-way tightening mechanism offers additional security against manipulation. It is not possible to forcibly open or manipulate the closure of the seal without leaving behind clear traces.

- Clear identification via numbers in sequence
- 100 seals (10 strips) per pack.
- Protection against manipulation by stainless steel safety spring.

SampleSafe seal

Length mm	Dia. mm	Colour	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
260	2	red	100		10		5399-2902	N4

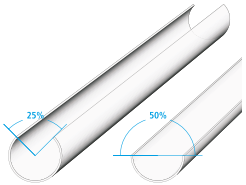
Pigment lance

Pigment lance to sample pigments, pastes and agglomerating bulk goods.

- With half-open flute 50 %, for heavily sticking products
- With quarter-open flute 25 %, for lightly sticking products
- Stainless steel AISI 316L (1.4404)
- 30 mm Ø

Use

1. Insert the lance to the required depth.
2. Turn the handle, the sample is collected into the open flute.
3. Pull back the lance.
4. Take out the sample.



Pigment lance						
Flute length mm	Flute openings %	Volume ml	Total length mm	Price €	Item no.	
300	25	145	432		5369-0300	N4
300	50	85	432		5369-0310	N4
600	25	312	732		5369-0600	N4
600	50	179	732		5369-0610	N4
900	25	480	1032		5369-0900	N4
900	50	273	1032		5369-0910	N4

Valve lance

Sampler for all-layer samples of viscous, paste-like, semi-liquid substances, according to DIN 51750 pt. 3 and DIN EN ISO 15528. Different layers remain intact particularly with paste-like substances.

- Stainless steel AISI 316L (1.4404)
- 32 mm Ø
- Optimised opening mechanism (can be completely disassembled) for easy cleaning

Use

For viscous substances:

1. The valve lanced is inserted all the way to the bottom, whilst being closed.
2. It is opened, closed and pulled out again.

For paste-like substances:

1. The valve lance is inserted all the way to the bottom, whilst being open.
2. It is closed and pulled out again.

Valve lance			
Length mm	Price €	Item no.	
550		5359-1600	N4
800		5359-1800	N4

Accessories

Description	Price €	Item no.	
Transport case LxWxH 123x25x11 cm		3600-2120	N4

QualiRod conical

Conical hand-drill, conically shaped, with sharp cutting edges and a solid handle. Ideal for cutting out samples for quality control from soft, paste-like substances (cheese, butter, clay, soap, wax, etc.).

- Stainless steel AISI 304 (1.4301)
- Sterilisable
- According to EN/ISO 707

QualiRod cylindrical

Cylindrical hollow drill with a sharp cutting edge, can easily be driven into paste-like and semi-solid substances. The samples cut out are subsequently removed with the appropriate push-rod ejector. Total length 260 mm. Inner Ø 8 mm, outer Ø 10 mm.

- Stainless steel AISI 304 (1.4301)
- Sterilisable
- Inner Ø 8 mm, outer Ø 10 mm

QualiRod conical

Drilling depth mm	Price €	Quantity scale from	Scale price €	Item no.	
120		5		5311-0001	N4
170		5		5311-0002	N4

Accessories

Description	Price €	Item no.	
Transport case, inner dimensions 258x178x45 mm		3600-0021	N3

close-it food & pharma control seals see page 86

QualiRod cylindrical

Drilling depth mm	Price €	Quantity scale from	Scale price €	Item no.	
200		5		5311-0101	N4

Accessories

Description	Price €	Item no.	
Transport case, inner dimensions 258x178x45 mm		3600-0021	N3

Spatula

Universal instrument for collecting, dividing and mixing pastes, creams etc.

- Blade made of stainless steel AISI 304 (1.4301)
- Wooden handle

Stainless steel spatula

Sample spatula made of stainless steel AISI 316L (1.4404). The highly stable and solid design of the spatula allow it to pierce solid substances or sacks and Big-Bags. The spatula is made of premium stainless steel, high-gloss polished and completely welded, thus completely free of undercuts. It is therefore ideally suited for taking samples of powders, granulates and pasty media, especially in food and pharmaceutical applications.

- Made completely of stainless steel AISI 316L (1.4404)
- Very sturdy
- Easy to clean
- Autoclavable
- Can be flame-sterilized
- High-gloss polished

Spatula

Length mm	Price €	Quantity scale from	Scale price €	Item no.	
180		10		5313-0180	N4
300		10		5313-0300	N4

Stainless steel spatula

Insertion depth mm	Volume ml	Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
188	50	300		5		5383-1000	N4

Stainless steel scoop

In contrast to conventional scoops, the stainless steel scoop has no openings, undercuts or crevices in which residues could collect. Pore-free finishing produced by high-quality laser welding seams.
The stainless steel scoop can be flame-sterilised and can therefore be made completely germ-free.

- Scoop made of stainless steel AISI 304 (1.4301), complete with rod
- Sterilisable by flame sterilisation or steam sterilisation

Mini ViscoSampler | for small quantities

Sampler for viscous substances such as pastes, mud, creams, oils. The sample is drawn in using the pump rod and directly conveyed to the sampling container. Easy cleaning for flawless sampling. Depending on the viscosity, the removable suction tip can be fitted with suction drills of 2 mm to 6 mm.

- Stainless steel AISI 316L (1.4404), seals PTFE
- Sterilisable
- Ideal for the pharmaceutical and cosmetics industry
- Incl. suction tip 2 mm
- 15 mm Ø

Stainless steel scoop

Total length cm	Capacity ml	Price €	Item no.	
115	1000		5354-1000	N4

Mini ViscoSampler

Length cm	Chamber volume ml	Price €	Quantity scale from	Scale price €	Item no.	
60	30		5		5341-1060	N4
100	50		5		5341-1100	N4
150	75		5		5341-1150	N4

Accessories

Description	Price €	Item no.	
Suction heads for Mini ViscoSampler, suction drill 2 mm		5341-1002	N4
Suction heads for Mini ViscoSampler, suction drill 4 mm		5341-1004	N4
Suction heads for Mini ViscoSampler, suction drill 6 mm		5341-1006	N4
Drain safety stand (see page 55)		5618-1000	N4

ViscoSampler | sample collector for medium viscosity substances

ViscoSampler with powerful suction for viscous media. The media is drawn up and discharged using the suction flask. Made of ultra-pure, chemically inert PTFE/FEP for contamination-free sampling.

Specially developed for viscous substances such as slurries, silt, wet clay and soil samples, soil sediments, oils, emulsions, creams etc.

Colour-coded handles to prevent mix-up, available as optional accessories.

Easy cleaning - all surfaces are poreless and without crevices. Dirt accumulation is prevented. Only round screw threads tried and tested in the field of food hygiene are used. Disassembly and cleaning are extremely simple.

QualiSampler set
The handy set, which comes complete with carrying case, combines the LiquiSampler and the ViscoSampler with practical accessories.
Models in PP or PTFE/ FEP.

- QualiSampler set consisting of:
- LiquiSampler, 100 cm
- ViscoSampler, 100 cm
- Case, five bottles, cleaning brush

ViscoSampler

Material	Volume ml	Immersion depth cm	Dia. mm	Price €	Item no.
PP, transparent	160	60	32		5331-1060 N4
PP, transparent	300	100	32		5331-1100 N4
PP, transparent	650	200	32		5331-1200 N4
PTFE/FEP, transparent	160	60	32		5331-2060 N4
PTFE/FEP, transparent	300	100	32		5331-2100 N4
PTFE/FEP, transparent	650	200	32		5331-2200 N4

Accessories

Description	Price €	Item no.
Handles ViscoSampler set in blue, green, yellow, white and black		5331-0020 N4
Cleaning brushes 25 mm dia., length 100 cm		5304-0100 N4
Drain safety stand (see page 55)		5618-1000 N4

QualiSampler set

Material	Price €	Item no.
PP		5330-1000 N4
PTFE / FEP		5330-1001 N4

LiquiSampler | sample collector for liquids

LiquiSampler for liquids, according to DIN EN ISO 15528. Made of ultra pure and chemically inert PTFE/FEP or PP for contamination-free sampling.
Sampling from open and closed containers, barrels, tanks, silos, water courses. Suitable for all commercially available barrels and containers with opening of at least 32 mm in diameter.
Push-buttons colour-coded to prevent mix-up, available as optional accessories.
Easy cleaning - all surfaces are free of pores and crevices, preventing accumulation of dirt. Only round screw threads proven in foodstuffs hygiene are used. Disassembly and cleaning are extremely simple.

- Practical one-handed use at the push of a button
- With scraping ring for marking of depth and cleaning
- Transparent
- Available in PTFE/ FEP or PP transparent
- Point sampling, all-layer and soil samples possible

Use

All-layer sample

1. Slowly insert the LiquiSampler into the liquid with the button pressed.
2. Release the push-button, the valve closes.
3. Withdraw the lance and take out the sample.

Point sampling/soil sample

1. Insert the LiquiSampler to the targeted point/to the ground with closed valve.
2. Press the button - the liquid flows in.
3. Release the push-button, the valve closes.
4. Pull out the LiquiSampler, take out the sample.

LiquiSampler

Material	Volume ml	Immersion depth cm	Dia. mm	Price €	Item no.	
PP, transparent	150	60	32		5330-1060	N4
PP, transparent	250	100	32		5330-1100	N4
PP, transparent	500	200	32		5330-1200	N4
PTFE/FEP, transparent	150	60	32		5330-2060	N4
PTFE/FEP, transparent	250	100	32		5330-2100	N4
PTFE/FEP, transparent	500	200	32		5330-2200	N4

Accessories

Description	Price €	Item no.	
Push-buttons for set LiquiSampler in blue, green, yellow, white and black		5330-0149	N4
Cleaning brushes 25 mm dia., length 100 cm		5304-0100	N4

Dip Sampler, plunging siphon

Dip sampler for simple removal of liquid samples. Good view due to transparent tubes. Upper end with reflux valve, lower end with ball valve.

- PP, transparent
- Dip sampler, item no. 5315-0200, steplessly extendable from 100 cm to 200 cm
- All-layer and point sampling possible

Use

All-layer sample

1. Insert the dip sampler slowly into the liquid with the valve open.
2. Close valve.
3. Pull the dip sampler back and take out the sample.

Point sampling/soil sample

1. Insert the dip sampler to the targeted point/to the ground with closed valve.
2. Open the valve - the liquid flows in.
3. Close the valve.
4. Pull out the dip sampler, take out the sample.

Dip Sampler, plunging siphon

Volume ml	Immersion depth cm	Tube Ø mm	Price €	Quantity scale from	Scale price €	Item no.
140	50	25		5		5315-0050 N4
280	100	25		5		5315-0100 N4
500	100 - 200	25		5		5315-0200 N4

Disposable plunging siphon

If strongly adhesive liquids are sampled, it can be a lot less expensive to dispose of the sampler than to carry out a complicated cleaning process.
The disposable dip sampler were developed especially for this purpose. They are made of PE, transparent and the contents are easily visible. PE provides a surface that resists adhesion of the sample material, minimising sample retention on the dip sampler.

Use

1. Insert the dip sampler into the liquid and fill it.
2. Close the thumbhole above the handle using your thumb.
3. Take out the dip sampler and empty the liquid into the sample bottle.

Disposable plunging siphon								
Volume ml	Immersion depth cm	Total length cm	Tube Ø mm	Price €	Quantity scale from	Scale price €	Item no.	
75	35	50	27		12		5387-0050	N4
175	60	75	27		12		5387-0075	N4
275	85	100	27		12		5387-0100	N4

PTFE Scoop

All parts coming into contact with the sample medium are made of pure white PTFE. Completely inert against all substances (with the exception of elementary fluoride). The rod is stabilised with a steel core which is completely encapsulated in PTFE. The 60 cm long rod can be extended to 120 cm by adding another component. The scoop PTFE with 10 ml has a strong rod with a length of 155 mm.

PTFE Scoop					
Capacity ml	Dia. mm	Height mm	Price €	Item no.	
10	25	34		5389-0010	N2
100	55	65		5389-0100	N2
250	70	95		5389-0250	N2
500	80	125		5389-0500	N2
1000	105	155		5389-1000	N2
Accessories					
Description			Price €	Item no.	
Extension for PTFE scoop, 60 cm				5389-0001	N2

Chemistry scoop

Scoop for aggressive liquids, complete with strong handle, entirely made of polypropylene.

- Rod length 100 cm, Ø 20 mm
- Without metal parts

Stainless steel scoop

In contrast to conventional scoops, the stainless steel scoop has no openings, undercuts or crevices in which residues could collect. Pore-free finishing produced by high-quality laser welding seams.
The stainless steel scoop can be flame-sterilised and can therefore be made completely germ-free.

- Scoop made of stainless steel AISI 304 (1.4301), complete with rod
- Sterilisable by flame sterilisation or steam sterilisation

Chemistry scoop

Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
250		10		5353-0250	N4
600		10		5353-0500	N4
1000		10		5353-1000	N4

Stainless steel scoop

Total length cm	Capacity ml	Price €	Item no.	
115	1000		5354-1000	N4

Liquid-Sampler | single hand operation

Sampler for thin to viscous liquids. Easy use with one-handed operation. With discharge funnel for safe filling of the sample bottles. Material AISI 316L (1.4404).

The valve is opened with the thumb to empty the sample.

The valve is opened by attaching the sample container to empty the sample.

Liquid-Sampler, open with thumb

Total length cm	Container dia. mm	Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
46	32	50		5		5326-0001	N4
54	32	100		5		5326-0002	N4

Liquid-Sampler, place onto bottle

Container dia. mm	Total length cm	Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
32	45,5	50		5		5326-0003	N4
32	53,5	100		5		5326-0004	N4

TeleScoop is a versatile sampling system with exchangeable tools for a wide range of applications. The tools (angular beaker, pendulum beaker, bottle holder, stainless steel beaker and dip net) are attached to the telescopic rod by a practical snap-in joint.
Ideal for sampling from baths, tanks, shafts, open water courses etc. Sampling depths down to 6 m can be reached with the adjustable telescopic aluminium rod.

- For industry and water treatment

② Angular beaker
The beaker is adaptable to different container shapes by adjustable angle setting (up to 90°).

- Polypropylene

③ Pendulum beaker PP
This beaker automatically swings to a horizontal position. Nothing can be spilt. Suitable therefore for deep and narrow shafts (Ø 150 mm).

- Polypropylene

④ Pendulum beaker stainless steel
This beaker automatically swings to a horizontal position. Nothing can be spilt. Suitable therefore for deep and narrow shafts (Ø 130 mm).

- Stainless steel AISI 304 (1.4301)

① Telescopic rod
Different tools can be attached to the telescopic rod (snap-in joint). The individual rods have been provided with an end stop. This means that one rod cannot accidentally slip out of another rod. The telescopic rods cannot be rotated radially, which means even better handling!

Telescopic rod 5355-0280, extremely short model - yet extendable up to 280 cm. Fits into every car boot!

- Increased telescopic rod rigidity by using cold-rolled profile rod
- Springs made of stainless steel

⑤ Bottle holder
Holds all bottles up to 88 mm Ø. Plastic, glass or metal bottles can be securely filled in this way. Angle steplessly adjustable up to 90°.

- With universal quick tightening strap
- Polypropylene/PA

⑥ Stainless steel beaker
Beaker with scraper, contents 1000 ml. Ideal for powder, granules, pastes, mud.

- Sterilisable
- Stainless steel AISI 304 (1.4301)

⑦ Surface catch net
Catch net for taking solid and organic samples from water courses.

- PVC/PA blue
- L 310 x W 280 mm
- Mesh width 2 - 5 mm

⑧ Depth catch net
Catch net for taking solid and organic samples from water courses.

- PP/PA blue
- L 190 x W 430 mm
- Net depth 250 mm
- Mesh width 2 - 5 mm

① Telescopic rod

Length infinitely variable from	No. of rods	Price €	Quantity scale from	Scale price €	Item no.	
65-120 cm	2		10		5355-0120	N4
70-180 cm	4		10		5355-0180	N4
125-250 cm	2		10		5355-0250	N4
95-280 cm	4		10		5355-0280	N4
115-300 cm	3		10		5355-0300	N4
165-450 cm	3		10		5355-0450	N4
175-600 cm	4		10		5355-0600	N4

	Model	Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
②	Scoop angular beaker	600		10		5354-0050	N4
②	Scoop angular beaker	1000		10		5354-0100	N4
②	Scoop angular beaker	2000		10		5354-0200	N4
③	Pendulum beaker PP	600		10		5354-5050	N4
③	Pendulum beaker PP	1000		10		5354-5100	N4
③	Pendulum beaker PP	2000		10		5354-5200	N4
④	Pendulum beaker AISI 304	1000		5		5354-3000	N4
⑤	Bottle holder	750		10		5354-4100	N4
⑥	Stainless steel beaker	1000		5		5354-2000	N4
⑦	Surface catch net			5		5354-5020	N4
⑧	Depth catch net			5		5354-5010	N4

Sampler Liquid CupSampler

It is possible to carry out point sampling of liquids of varying viscosity with the stainless steel Liquid CupSampler (V4A). Media-containing particles can also be sampled without difficulty.
The sampler can be used in the fields of chemistry, foodstuffs and cosmetics.
The cup can be unscrewed from the stem, allowing easy cleaning.

Use

1. Place the collector at the desired depth.
2. Open the lid using the handle. The liquid flows in.
3. Close the filled collector and remove it.
4. Empty the sample into the sample bottle.

Sampler Liquid CupSampler				
Capacity ml	Container dia. mm	Total length cm	Price €	Item no.
100	55	100		5357-0001 N4

ChemoSampler | for acids, alkalis, detergents

The ChemoSampler was developed for sampling aggressive liquids, e.g. acids, alkalis, detergents. The samples are drawn directly into the screw-on original sampling bottle. The tamper-proof bottle closure of these bottles with original safety ring ensures unadulterated sample transport. Samples can be taken from depths of as much as 200 cm, e.g. from tanks, silos or tankers, by using the extension rod.

- PP, grey
- Resistant to acids and alkalis
- Incl. sample bottle 1000 ml
- Extension rod 100 cm and two bottle sizes available as accessories.

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

ChemoSampler			
Price €	Quantity scale from	Scale price €	Item no.
	5		5336-1000 N4

Accessories

Description	Price €	Item no.
Extension for ChemoSampler 100 cm		5336-0100 N4
Sampling bottle PE, 500 ml		0342-0500 N3
Sampling bottle PE, 1000 ml		0342-1000 N3

Vampire Sampler | for sampling liquids in the field

Transportable, hose pump for liquids, independent of mains power. Ideal for sampling from barrels, tanks, wells, water separators and sewage and purification systems.
Vampire is packed in a handy transport case with: drive unit, two rechargeable batteries, battery charger, LED lamp, bottle holder, bottle LDPE 250 ml, hose pump and 5 m hose made of PE.

- Easy cleaning, liquid is only in contact with the hose
- Independent of mains power with rechargeable batteries and charger, incl. replacement battery
- Sampling directly into the original sample bottle
- Suction height up to 5 m
- Also suitable for contaminated substances or media containing particles
- Good chemical resistance
- Good delivery rate up to 2.0 l/min

Vampire Sampler

Price €	Quantity scale from	Scale price €	Item no.	
	5		5327-1000	N2

Accessories

Description	Price €	Item no.	
Suction hose Marprene, 1 m		5327-0508	N2
Sampling bottle LDPE 500 ml		0318-0500	N3
Suction hose PE on roll 6 x 8 mm, roll with 10 m		8805-0608	N3
Suction hose PE on roll 6 x 8 mm, roll with 100 m		8878-0608	N3
Basket for sample bottles 250 ml, Ø 68 mm		5302-2025	N2
Basket for sample bottles 500 ml, Ø 84 mm		5302-2051	N2
Basket for sample bottles 1000 ml, Ø 100 mm		5302-2101	N2

MiniSampler | taking samples – comfortable, quick and clean sampling

With the vacuum sampler MiniSampler, the sample liquid only comes into contact with the suction hose and the original sample bottle. The possibility of cross-contamination is greatly reduced. Immediately after taking the sample, the bottles are sealed. The disposable suction hose can quickly be replaced. This guarantees that the samples are never contaminated. If necessary, a new hose can be used for every single sample.
Due to its small diameter (8 mm), the hose can reach narrow, seemingly inaccessible sampling areas.

Two models:

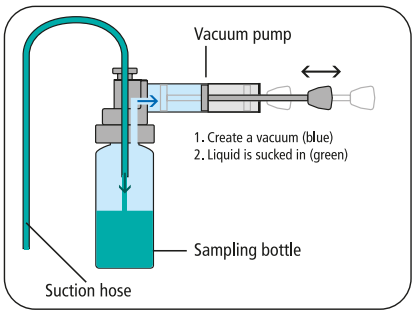
PE MiniSampler for general sampling, max. suction height 5 m*
PTFE MiniSampler for ultra-pure sampling, max. suction height 5 m*
* depending on the medium

- Also suitable for viscous oils
- Complete in a handy transport case

Use

1. Insert the hose and the bottle into the pump.
2. Insert hose end to desired sample depth.
3. Move the pump piston back and forth and collect the sample. The liquid flows directly into the bottle.
4. Take off the filled bottle, close and label it.

⚠ Not for aggressive acids. Vapours could destroy pump.



MiniSampler PE | for general sampling

Ideal for general sampling from barrels, canisters, tanks etc.
MiniSampler PE complete with accessories in transport case, contents: Vacuum pump, 10 PE bottles, 100 ml, 10 m PE suction hose 6 x 8 mm, 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301), 20 seal-it bottle seals.

MiniSampler PE

Price €	Quantity scale from	Scale price €	Item no.	
	5		5305-0100	N4

Accessories

Description	Price €	Item no.	
MiniSampler pump with adapter PP		5305-0010	N4
MiniSampler standard pump		5305-0011	N4
PTFE MiniSampler adapter for glass thread GL 45		5305-0209	N4
MiniSampler adapter PTFE for sample tubes PFA 6205-0090, 6205-0180		5305-1020	N2
Hose cutter		0006-9506	N3
Sampling bottle HDPE, 100 ml		0340-0100	N3
Sampling bottle HDPE, 250 ml		0340-0250	N3
Suction hose PE on roll 6 x 8 mm, roll with 10 m		8805-0608	N3
Suction hose PE on roll 6 x 8 mm, roll with 100 m		8878-0608	N3

MiniSampler PTFE | for ultrapure sampling

Ideal when maximum purity is needed.
MiniSampler PTFE complete with accessories in its transport case, contents: Vacuum pump, 1 sample bottle PFA 180 ml, 5 m PTFE suction hose 6 x 8 mm, 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301), 20 seal-it bottle seals.

MiniSampler PTFE

Price €	Quantity scale from	Scale price €	Item no.	
	5		5305-0110	N4

Accessories

Description	Price €	Item no.	
MiniSampler pump with adapter PP		5305-0010	N4
MiniSampler standard pump		5305-0011	N4
PTFE MiniSampler adapter for glass thread GL 45		5305-0209	N4
MiniSampler adapter PTFE for sample tubes PFA 6205-0090, 6205-0180		5305-1020	N2
Hose cutter		0006-9506	N3
Sample boxes PFA, 90 ml		6205-0090	N3
Sample boxes PFA, 180 ml		6205-0180	N3
Suction hose PTFE on roll 6 x 8 mm, roll with 5 m		8804-0608	N3

ProfiSampler | vacuum-operated sample collector for robust industrial use

ProfiSampler Aluminium

While the MiniSampler is designed for laboratory use, the ProfiSampler has been specially developed for rough industrial use.

Applications

Sampling liquids in barrels, tanks, lorries, railway goods wagons, ships, water courses, ground water, etc.

Vacuum samplers have the advantage that the sample liquid only comes into contact with the suction hose and the original sample bottle. The possibility of cross-contamination is greatly reduced. Immediately after taking the sample, the bottles are sealed. The disposable suction hose can quickly be replaced. This guarantees that the samples are always authentic. If necessary, a new hose can be used for every single sample.

Due to its small diameter (8 mm), the hose can reach narrow, seemingly inaccessible sampling areas.

The ProfiSampler can be extended with useful accessories developed in practice.

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

- Three feet guarantee that the ProfiSampler stands safely
- Fill level control, automatic return flow and overfill protection through built-in venting valve
- Available with suction hose in PE, PA and PTFE wherever the highest degree of purity is required
- Can be supplied with straight suction tubes for simpler sampling, incl. transport case for tidy transport and disposal of the suction tubes
- Suction volume 200 ml, suction pressure 0.5 bar
- Suction height from liquid surface 5 m WS
- Sample bottles available in different materials and sizes

ProfiSampler | vacuum-operated sample collector for robust industrial use

① **ProfiSampler Aluminium**
ProfiSampler aluminium for solvents and flammable liquids in Explosion Categories IIA, IIB and IIC. With bottle thread GL 45 (suitable for Schott glass bottles 100 ml to 1000 ml).
When taking samples of flammable liquids, the device must be earthed. For this, earthing cable and, possibly in addition, anti-static set should be used, see accessories.

ProfiSampler aluminium, consisting of: Vacuum pump made of aluminium, with feet, venting valve and bottle thread GL 45 with glass bottle 500 ml, 5 suction tubes PA black, 220 cm long, electrically conductive, hose cutter, brass hose weight, 20 seal-it bottle seals, earthing cable.

② **Profi Sampler PP**
ProfiSampler PP for general samples, for weak acids, alkalis, detergents, chemical baths. Made of solid, chemical resistant Polypopylene.

ProfiSampler PP, consisting of: Vacuum pump, made of solid PP, with feet, venting valve and bottle thread GL 40, 1 PP bottle 250 ml, 10 m PE suction hose (roll), 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301), 20 seal-it bottle seals.

② Profi Sampler PP

③ **Straight suction tubes** (PE or PA) have the advantage that they are not slightly bent as is the standard tubing (from the roll) and can therefore be immersed absolutely vertically into the container. The suction tubes are available in transparent PE for general sampling and black PA for flammable liquids in VbF Hazard Category AI (electrically conducting). Diameter 6 x 8 mm. Contamination banned! In practice the low-priced tubes are only used once. They are then disposed of, instead of being subjected to a costly cleaning process. The tubes are not autoclavable.

④ **Transport case for straight suction tubes** for the practical transport of new suction tubes and the safe storage of used ones. Suitable for 100 suction tubes, 220 cm long.

① ProfiSampler Aluminium

Price €	Quantity scale from	Scale price €	Item no.	
	5		5305-1100	N4

Accessories

Description	Price €	Item no.	
Glass sampling bottle 100 ml, GL 45		5314-0010	N3
Glass sampling bottle 250 ml, GL 45		5314-0025	N3
Glass sampling bottle 500 ml, GL 45		5314-0050	N3
Glass sampling bottle 1000 ml, GL 45		5314-0100	N3
③ Straight suction tube, PE transparent, 200 cm, 10 pieces		5305-1022	N4
③ Straight suction tube, PA black, electrical conductive, 220 cm, 10 pieces		5305-1024	N4
④ Transport case for straight suction tubes		5305-1029	N4
Anti-static set		5602-1000	N4
Suction hose PE on roll 6 x 8 mm, roll with 10 m		8805-0608	N3
Suction hose PE on roll 6 x 8 mm, roll with 100 m		8878-0608	N3
Suction hose PTFE on roll 6 x 8 mm, roll with 5 m		8804-0608	N3

② Profi Sampler PP

Price €	Item no.	
	5305-1000	N4

Accessories

Description	Price €	Item no.	
③ Straight suction tube, PE transparent, 200 cm, 10 pieces		5305-1022	N4
③ Straight suction tube, PA black, electrical conductive, 220 cm, 10 pieces		5305-1024	N4
④ Transport case for straight suction tubes		5305-1029	N4
Sampling bottle PP, 250 ml		0319-0250	N3
Suction hose PE on roll 6 x 8 mm, roll with 10 m		8805-0608	N3
Suction hose PE on roll 6 x 8 mm, roll with 100 m		8878-0608	N3

UniSampler with hose

UniSampler with PVC hose and hose weight made of stainless steel. For deep, hard-to-reach places. The mass of the metal tube drags the hose to any depth.

- Suction hose PVC, 2.50 m long
- Complete in a handy transport case incl. sample bottle PP 1000 ml, vacuum pump, universal bottle adapter, hose weight made of AISI 304 (1.4301), 20 seal-it bottle seals
- Universal bottle adapter made of PVC, for bottle necks Ø 24 mm, 32 mm, 39 mm and 50 mm nominal dimension, for sample bottles 100 - 1000 ml

Use

1. Lower the suction hose to the required depth.
2. Attach the adapter to the sampling bottle.
3. Create a vacuum using the handpump and collect the sample.
4. Remove the filled sample bottle, close and label it.

UniSampler with hose

Price €	Quantity scale from	Scale price €	Item no.	
	5		5314-2000	N4

Accessories

Description	Price €	Item no.	
Suction hose for replacement PVC, 2,5 m		5314-2002	N4
Sampling bottle PP, 100 ml		0319-0100	N3
Sampling bottle PP, 250 ml		0319-0250	N3
Sampling bottle PP, 500 ml		0319-0500	N3
Sampling bottle PP, 1000 ml		0319-1000	N3

UniSampler "Ex"

Sampler especially developed for sampling flammable liquids of Hazard Category AI (VbF, e.g. fuel). Glass bottle and hose are connected in such a way that they conduct electricity and are earthed via an earthing cable.

- Complete in a handy transport case incl. 4 m hose (NBR), glass bottle 1000 ml, bottle adapter, vacuum pump, earthing cable and hose-weight made of brass
- PTB approval D-333-009 618/00

Use

1. Earth the device.
2. Lower the suction hose to the required depth.
3. Attach the adapter to the sampling bottle.
4. Create a vacuum using the handpump and collect the sample.
5. Remove the filled sample bottle, close and label it.

The UniSampler "Ex" was developed in co-operation with the quality association Tankschutz e.V. (non-profit association for tank protection).

UniSampler "Ex"

Price €	Quantity scale from	Scale price €	Item no.	
	5		5314-3000	N4

Accessories

Description	Price €	Item no.	
Glass sampling bottle 1000 ml, GL 45		5314-0100	N3

UniSampler with suction lance

Use

1. Set the desired sampling depth by moving the suction lance.
2. Attach the adapter to the sampling bottle.
3. Lower the suction lance into the medium.
4. Create a vacuum using the handpump and collect the sample.
5. Remove the filled sample bottle, close and label it.

The collection lance consists of an inner tube and an outer tube. The suction position can be varied steplessly with the outer tube within a height of 0 to 48 cm. The total length of the telescopic suction tube is 100 cm.

- Suction tube PP, suction hose PVC
- Incl. 5 sample bottles each PP 250 ml and 500 ml, vacuum pump, universal adapter for sample bottles, 20 seal-it bottle seals
- Universal bottle adapter made of PVC, for bottle necks Ø 24 mm, 32 mm, 39 mm and 50 mm nominal dimension, for sample bottles 100 - 1000 ml

UniSampler with suction lance

Price €	Quantity scale from	Scale price €	Item no.
	5		5314-1000 N4

Accessories

Description	Price €	Item no.
Sampling bottle PP, 100 ml		0319-0100 N3
Sampling bottle PP, 250 ml		0319-0250 N3
Sampling bottle PP, 500 ml		0319-0500 N3
Sampling bottle PP, 1000 ml		0319-1000 N3

Bürkle - Behind the scenes

There are many ways for ordering at Bürkle - but all roads lead to the Sales department.

www.buerkle.de
You can reach us around the clock!

Are you not sure wheather a product is the right for you? Just ask us:

+49 (0) 7635 / 8 27 95 - 0

As soon as you have ordered a product, Production, and Materials Management take over personally.

By the way: If your product is in stock and you order before 1.00 p.m., the package leaves our store the same day.

Are you in a hurry?
We also offer express deliveries.

Dipping bottles

Dipping containers are used in various areas to collect liquids for sampling. Bürkle produces the most comprehensive collection of dipping containers by a long way, the right product for every use as it were. Bürkle offers dipping bottles and immersion cylinders for sediments, for the area of environmental issues, for chemically aggressive products, for petrochemistry, for the ex protection area etc. The dipping bottles for the Ex protection area are made of nickel-plated brass, therefore they do not oxidise.
Dipping vessels can be used for point sampling, all-layer samples and soil samples. Dipping vessels are heavy. Lowering requires the use of special manually-operated drum reels with a large winding diameter. Other manually-operated drum reels place too much strain on the user's wrist and could represent a health hazard. Lowering cables and chains made from different materials, as well as manually-operated drum reels, also for Ex-proof applications, available as accessories.

⚠ Observe Ex-proof guidelines when sampling flammable liquids. Only use conductive lowering cables made of nonspark-producing material and conductive hand reels with grounding connection.

Dipping bottle

Dipping bottle with glass container for sampling in sewage plants, for mud and water samples. For testing crude oil, liquid mineral oil products, fuels, special and test fuels, fuel oils, petroleum and liquid lubricants of Hazard Categories IIA and IIB. Completely made from non-spark producing materials. Dipping frame made of nickel-plated brass, easy-click closure made of electrically conductive polyamide.

- With Easy-Click, safe and practical closure for a rapid bottle exchange
- High weight (3.3 kg) for fast lowering
- Bottle made of transparent glass 1000 ml contents
- Height with handles 330 mm
- Please order the appropriate lowering cable at the same time (page 116)
- Tested for use in the Ex protection zone 0

Assessment of Ignition Risks, usable in:
- Zones 0 and 1
- Explosion groups II A, II B

DEKRA EXAM GmbH DEKRA tested Identification No. 0156

Use

1. Lower the dipping bottle to the required depth.
2. Pull chain/cable with a short, powerful jerk, the stopper opens.
3. The sample flows into the bottle.
4. Raise the bottle with the chain/ cable.
5. Open the Easy-Click closure, remove the bottle.

Dipping bottle			
Capacity ml	Dia. mm	Price €	Item no.
1000	148		5365-4000 N4

Dipping bottle Ex

Dipping bottle for testing mineral oil products Category A, Explosion Categories IIA, IIB and IIC, crude oil, liquid mineral oil products, fuels, special and test fuels, fuel oils, petroleum and liquid lubricants. Completely made from non-spark producing materials, nickel-plated

- Screw-off bottle head - easy cleaning
- Robust handle
- High weight (3.2 kg) for fast lowering
- 1000 ml contents
- Height with handles 443 mm
- Please order the appropriate lowering cable at the same time (page 116)
- Tested for use in the Ex protection zone 0

Use

1. Lower the dipping bottle to the required depth.
2. Pull chain/cable with a short, powerful jerk, the stopper opens.
3. The sample flows into the bottle.
4. Raise the bottle with the chain/cable.
5. Empty the bottle.

Dipping bottle Ex			
Capacity ml	Dia. mm	Price €	Item no.
1000	89		5365-3000 N4

Immersion cylinder

Immersion cylinder for sampling crude oil, liquid mineral oil products, fuels, special and test fuels, fuel oils, petroleum and liquid lubricants in Explosion Categories IIA, IIB and IIC. Completely made from non-spark producing materials, nickel-plated.

- Screw-off top enables easy cleaning
- High weight (4.1 kg) for fast lowering
- Robust handle
- 1000 ml contents
- Height with handles 438 mm
- Please order the appropriate lowering cable at the same time (page 116)
- Tested for use in the Ex protection zone 0

Use

Point sampling

1. Two lowering cables are required for this (bearer cable and hauling cable).
2. Lower the immersion cylinder to the required depth.
3. When the target has been reached, pull on the hauling cable, the valve opens.
4. The sample flows into the bottle.
5. Release the hauling cable. The valve closes. Pull the cylinder back on the bearer cable.
6. Empty the cylinder via the valve at the bottom.

Soil sample

1. Lower the immersion cylinder on the cable to the ground.
2. The valve opens automatically because of the immersion cylinder's own weight.
3. The sample flows into the cylinder.
4. Pull the cylinder back on the cable, the valve closes independently.
5. Empty the cylinder via the valve at the bottom.

Immersion cylinder			
Capacity ml	Dia. mm	Price €	Item no.
1000	75		5365-7000 N4

Dipping vessel

Dipping vessel for taking all-layer samples from tanks, tank wagons, water courses, water purification plants.

- With Easy-Flow, the flow optimised flow valve
- High weight (2.1 kg) for faster lowering
- Contents 1000 ml
- Height with handles 427 mm
- Made of non-spark producing brass or stainless steel AISI 304 (1.4301) for Ex area
- Please order the appropriate lowering cable at the same time (page 116)
- Tested for use in the Ex protection zone 0
- Explosion Categories IIA, IIB and IIC

Assessment of Ignition Risks, usable in:
- Zones 0 and 1
- Explosion groups II A, II B, II C

DEKRA EXAM GmbH DEKRA tested Identification No. 0158

Use

1. When the dipping vessel is lowered, the liquid constantly runs through it.
2. When it is pulled back, both valves close automatically.
3. Emptying at the top via the open flaps.

Mini immersion cylinder

For sampling liquids in narrow places where access is difficult. Can also be used in curved dipping tubes and barrels with narrow openings.
Diameter only 32 mm.

- 50 ml contents
- Height 180 mm
- Weight 350 g
- Stainless steel AISI 304 (1.4301)
- Screw-off top enables easy cleaning
- Please order the appropriate lowering cable at the same time (page 116)
- Tested for use in the Ex protection zone 0
- Explosion Categories IIA and IIB

Assessment of Ignition Risks, usable in:
- Zones 0 and 1
- Explosion groups II A, II B

DEKRA EXAM GmbH DEKRA tested Identification No. 0158

Use

1. When the dipping vessel is lowered, the liquid constantly runs through it.
2. When it is pulled back, both valves close automatically.
3. It can be emptied via the base valve or the upper screw-off cap.

Dipping vessel

Material	Dia. mm	Price €	Item no.	
brass	82		5365-1000	N4
stainless steel AISI 304	82		5365-2000	N4

Mini immersion cylinder

Capacity ml	Dia. mm	Height mm	Price €	Item no.	
50	32	180		5365-5000	N4

Target immersion cylinder

Precise liquid samples can be taken with the Target immersion cylinder.

- Weight 2.5 kg
- Incl. venting lowering cable (5 m), valve and cable reel
- Screw-off top enables easy cleaning

Use

1. Lower the immersion cylinder to the required depth on the high-tensile, closed hose.
2. When the target has been reached, open the air valve at the tube end.
3. This vents the immersion cylinder and fills it.
4. Retrieve the immersion cylinder.
5. Open the cover and pour out the sample.

Target immersion cylinder					
Capacity ml	Dia. mm	Height mm	Price €	Item no.	
500	75	210		5365-6000	N4

AquaSampler

Sampler for ground water samples from wells, pits and other sources. Fits all normal well shafts with control openings to Ø 2", without tilting or getting stuck. Ultra pure materials guarantee the highest degree of sample purity. Easy to clean thanks to rounded edges and threads.

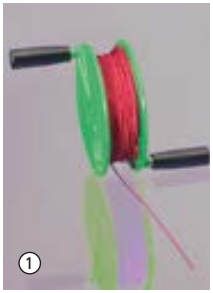
- FEP/PTFE ultra pure, anti adhesive surface
- Without cable

Available as accessory (page 116):

- Robust manually-operated drum reel PP
- Lowering cable, V2A-woven, PTFE coated

AquaSampler							
Capacity ml	Total length cm	Outer dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
350	40	46		5		5308-0350	N4
700	76	46		5		5308-0700	N4
1050	107	46		5		5308-1050	N4

Manually-operated reels



Manually-operated drum reel PP

Manually-operated drum reel PA electrically-conductive

Manually-operated reel Ex with grounding cable

The manually-operated drum reels are used to lower dipping bottles and immersion cylinders safely to the required depth in shafts, wells and tanks and then to pull them up again. The manually-operated drum reels can be equipped with various cables or chains. If flammable or highly flammable liquids are to be collected, then electrically conductive manually-operated drum reels must be used together with an earthing cable. The dipping bottles must be made of non-sparking metal.

Assessment of Ignition Risks, usable in:
- Zones 0 and 1
- Explosion groups II A, II B, II C

DEKRA EXAM GmbH
DEKRA tested
Identification No. 0158

- High winding capacity of up 150 m for cable 2 mm dia.
- Reel width: inner 44 mm, outer 55 mm, reel diameter: inner 100 mm, outer 180 mm

⚠ Please order the required lowering cable separately.

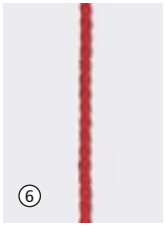
Manually-operated reel

	Model	Price €	Item no.	
①	Manually-operated reel PP		5309-0010	N4
②	Manually-operated reel PA		5309-0020	N4
③	Manually-operated reel Ex with grounding cable		5309-0030	N4

Lowering cables

Stainless steel lowering cable, PTFE-coated

Lowering cable V2A



Lowering cable plastic

Copper cable with loops

Lowering cables
For dipping bottles and immersion cylinders, matching manually-operated drum reels made of various materials. Tensile load max. up to 10 kg.

Lowering/ hoisting chain stainless steel

Snap-hook V4A

Brass shackle

Lowering cables

	Model	Length m	Dia. mm	Price €	Item no.	
④	Stainless steel lowering cable, PTFE-coated	10	2		5309-0110	N4
④	Stainless steel lowering cable, PTFE-coated	25	2		5309-0125	N4
④	Stainless steel lowering cable, PTFE-coated	50	2		5309-0150	N4
⑤	Stainless steel lowering cable	10	1,25		5309-0301	N4
⑤	Stainless steel lowering cable	25	1,25		5309-0302	N4
⑤	Stainless steel lowering cable	50	1,25		5309-0305	N4
⑥	Lowering cable made of PP cord	10	2		5309-0201	N4
⑥	Lowering cable made of PP cord	25	2		5309-0202	N4
⑥	Lowering cable made of PP cord	50	2		5309-0205	N4
⑦	Copper lowering cable EX with loops	10	4,5		5309-0410	N4
⑦	Copper lowering cable EX with loops	25	4,5		5309-0425	N4
⑦	Copper lowering cable EX with loops	50	4,5		5309-0450	N4
⑧	Stainless steel chains	10	2,3		5309-0510	N4
⑧	Stainless steel chains	25	2,3		5309-0525	N4
⑧	Stainless steel chains	50	2,3		5309-0550	N4
⑨	Snap hooks V4A		5		0006-5300	N4
⑩	Shackle		4,5		0006-5301	N4

DispoSampler – disposable samplers | for the highest standards in sampling

Bürkle disposable samplers – DispoSampler – are used to take samples of liquids, viscous media, powders and granulates. Target point samples can be taken, all-layer and cross-section samples, as well as small and large sample quantities.

Unlike conventional reusable samplers, disposable samplers do not need to be cleaned after use.

- Cleaning reusable samplers is a demanding and often complicated task, with greasy, strongly adhesive or toxic substances. Sometimes the task is even impossible
- Work processes do not have to be interrupted by cleaning
- Cross contamination is completely eliminated
- The cleaning method does not need to be validated in audits
- Time and money are saved

Bürkle DispoSampler LaboPlast® and SteriPlast®

LaboPlast SteriPlast

- Individually packaged
- Production, assembly and packaging in class 7 clean room (10,000)
- With EU foodstuffs and FDA approval
- Optionally sterilised by gamma rays

Time is money – Compare the costs:

- Bring to cleaning area
- Remove sampler
- Cleaning agent
- Work time
- Autoclaving in some cases
- Drying
- Mount sampler
- Packaging if required
- Transport and storage

Due to the effort involved in cleaning and the costs associated with it, it is often more economical to use a Bürkle disposable sampler.

MADE IN GERMANY

LiquiDispo

The LiquiDispo disposable sampler can be used to take samples of liquids from highly liquid to slightly viscous. An ergonomic handle makes it easier to draw the sample: up to 200 ml can be drawn, as with a syringe.

- Ergonomic handle
- No seals
- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 21 mm

DispoPipette

Simple disposable sampler for taking samples of low viscosity media. If the DispoPipette is inserted into the liquid opened, an all-layer sample is obtained. If it is closed while it is inserted up to the sampling point and then opened, a target-point sample is obtained. Very easy to operate. With two opening sizes (2,5/5,5 mm) for different viscosities.

- All-layer and target point samples possible
- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 21 mm

LiquiDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20		10		5393-1120	N4
500	100	sterilized	20		10		5393-1121	N4
1000	200	standard	20		10		5393-1130	N4
1000	200	sterilized	20		10		5393-1131	N4

DispoPipette

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20		10		5393-5500	N4
500	100	sterilized	20		10		5393-5501	N4
1000	200	standard	20		10		5393-5531	N4
1000	200	sterilized	20		10		5393-5532	N4

DispoTube

The ergonomic handle of the DispoTube makes it easier to work and facilitates a good grip even under difficult conditions, for example with gloves. Disposable sampler for taking samples of liquids.

- Ergonomic handle
- All-layer and target point samples possible
- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 21 mm

DispoLadle

DispoLadle is a sampling scoop specially designed for disposable use. The scaled scoop with embossing can be used for measuring. It shows contents in increments of 10 ml, up to 200 ml. An ergonomic handle and a spout on both sides for right or left-hand operation make handling simple and easy.

- 200 ml scoop
- External Ø 92 mm
- Ergonomic handle
- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays

DispoTube

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20		10		5393-6620	N4
500	100	sterilized	20		10		5393-6621	N4
1000	200	standard	20		10		5393-6630	N4
1000	200	sterilized	20		10		5393-6631	N4

DispoLadle

Length mm	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	standard	20		10		5393-6640	N4
500	sterilised	20		10		5393-6641	N4
1000	standard	20		10		5393-6650	N4
1000	sterilised	20		10		5393-6651	N4

ViscoDispo

The ViscoDispo disposable sampler can be used to take samples of high-viscosity media up to 100.000 mPas. The ergonomically shaped handle and the very stable drawbar make it easy to draw even viscous substances.

- Ergonomic handle
- No seals
- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 21 mm

PowderDispo

PowderDispo is the ideal disposable sampler for cross-section samples of powdery or slightly cohesive substances. A complete all-layer sample can be taken from bags or smaller containers with the lance.

- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 21 mm

ViscoDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20		10		5393-3320	N4
500	100	sterilized	20		10		5393-3321	N4
1000	200	standard	20		10		5393-3330	N4
1000	200	sterilized	20		10		5393-3331	N4

PowderDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
300	60	standard	20		10		5393-5510	N4
300	60	sterilized	20		10		5393-5511	N4
500	100	standard	20		10		5393-5522	N4
500	100	sterilized	20		10		5393-5521	N4

DispoPicker

Disposable sampler for powders and small-grain bulk materials. Because the tip is closed, the sample material cannot trickle back out of the sample lance. DispoPicker is ideally suited for cross-section samples.

- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 21 mm

DispoPicker

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
300	60	standard	20		10		5393-5540	N4
300	60	sterilized	20		10		5393-5541	N4
500	100	standard	20		10		5393-5550	N4
500	100	sterilized	20		10		5393-5551	N4

DispoLance

The DispoLance disposable sampler can be used for taking large and small sample quantities quickly and easily, directly from bags. The sampler is suitable for free-flowing powders and small-grain granulates. The DispoLance sampler pierces into the container with the sturdy tip and the sample flows through the open inner tube directly into the container or bag that is held underneath.

- Variable sample quantity
- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Nominal width 14 mm
- Ø 21 mm

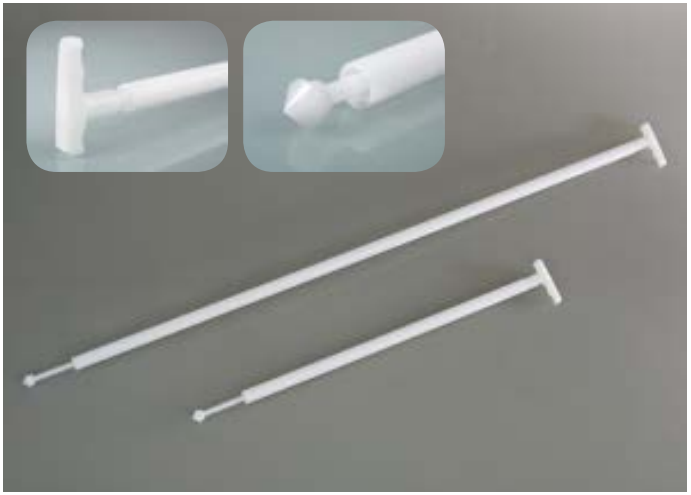
DispoLance

Length mm	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
300	standard	20		10		5393-5560	N4
300	sterilized	20		10		5393-5561	N4
500	standard	20		10		5393-5570	N4
500	sterilized	20		10		5393-5571	N4

Accessories

Description
Sampling bag SteriBag see page 132

MicroDispo



Quite small sample quantities (10 ml) can be taken with MicroDispo. Especially in pharmaceutical applications it often happens that only a small quantity can or should be extracted for analysis. Using the disposable sampler, precise target point samples can be taken of free-flowing powders and small-grain bulk materials.

- Ergonomic handle
- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 21 mm

MultiDispo

Disposable zone samplers for taking samples from multiple layers of the sample material. Suitable for free-flowing powders and small-grain granulates. The representative all-layer sample can be emptied directly through the open handle into a sample container.

- Easy emptying through the opening in the handle (Ø 14 mm)
- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 25 mm

MicroDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	10	standard	20		10		5393-2240	N4
500	10	sterilized	20		10		5393-2241	N4
1000	10	standard	20		10		5393-2250	N4
1000	10	sterilized	20		10		5393-2251	N4

MultiDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20		10		5393-4440	N4
500	100	sterilized	20		10		5393-4441	N4
1000	200	standard	20		10		5393-4450	N4
1000	200	sterilized	20		10		5393-4451	N4

TargetDispo

TargetDispo is used to take a target point sample at a position in the sample material that has previously been precisely determined. The sampler pierces into the powder or granulate while closed. When it reaches the sample removal point it is opened and then closed again. In this way a precise target-point sample is obtained. The sample can simply be emptied through the open handle.

- Easy emptying through the opening in the handle (Ø 14 mm)
- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 25 mm

ZoneDispo

The ZoneDispo disposable all-layer sampler is used in sampling to collect a representative all-layer sample from three different layers. Suitable for free-flowing powders and small-grain granulates. The collected sample can be secured and transported in the closed sampler.

- HDPE
- Clean room manufactured, individually packaged
- Optionally sterilised by gamma rays
- Ø 25 mm

TargetDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20		10		5393-4460	N4
500	100	sterilized	20		10		5393-4461	N4
1000	200	standard	20		10		5393-4470	N4
1000	200	sterilized	20		10		5393-4471	N4

ZoneDispo

Length mm	Volume ml	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
500	100	standard	20		10		5393-4420	N4
500	100	sterilized	20		10		5393-4421	N4
1000	200	standard	20		10		5393-4430	N4
1000	200	sterilized	20		10		5393-4431	N4

SteriPlast® from Bürkle

SteriPlast

Bürkle SteriPlast® products – scoops, spatulas and spoons – are high-quality, ergonomically shaped disposable products that are specially designed and optimised for sampling purposes. They are produced, assembled and individually packed in Bürkle's own clean room and then sterilised by gamma rays (min. 10 kGy).

The SteriPlast® products thus meet all the requirements for absolutely sterile sampling with first class certification.

Clean room production

SteriPlast Bio

SteriPlast® bio-products are only manufactured with renewable raw materials and then also sterilised by gamma rays (min. 10 kGy). To create a completely sustainable product, the individual packaging is also made of bio-PE. This is 100 % recyclable and is manufactured without fossil raw materials. This also involves a CO_2 saving as well as a reduction of the greenhouse effect.

Individually packed

The highest purity and ecological sustainability combined perfectly!

Gamma ray sterilised

SteriPlast® Bio sample scoop

The SteriPlast® Bio sample scoop made of green PE is produced in our clean room of class 7 (10,000), individually packaged in bio-PE film for disposable use and then sterilised by gamma rays.
Green PE bio-plastic has all the suitable properties of conventional polyethylene but is manufactured from renewable raw materials and can be completely recycled.
The sample scoop is ideal for powders, granulates and pastes.

- Product and packaging made of renewable raw materials
- Green PE, white
- Individually packaged and sterilised by gamma rays
- Production and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

SteriPlast® Bio sample scoop

Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
25	141	10		10		5379-1001	N4
50	160	10		10		5379-1003	N4
100	205	10		10		5379-1005	N4
150	216	10		10		5379-1007	N4

SteriPlast® sample scoop

The SteriPlast® sample scoop made of polystyrene is produced and assembled in our clean room of class 7 (10,000, except for the 1000 ml scoop), individually packaged for disposable use and then sterilised by gamma rays.
The sample scoop is ideal for powders, granulates and pastes.
The scoop with transparent cover can be closed immediately after sampling and the sterility and exclusion of contamination can therefore be safeguarded.

- PS, white
- Individually packaged and sterilised by gamma rays
- Production, assembly and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

Ergonomics were particularly important to us for the design of the sample scoop. The scoop stands horizontally due to the special handle design and the slightly angled front edge and can therefore be put down without the sample material trickling out.

SteriPlast® sample scoop

Capacity ml	Model	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
25	without cover	141	10		10		5378-1001	N4
25	with cover	142	10		10		5378-1002	N4
50	without cover	160	10		10		5378-1003	N4
50	with cover	161	10		10		5378-1004	N4
100	without cover	205	10		10		5378-1005	N4
100	with cover	206	10		10		5378-1006	N4
150	without cover	216	10		10		5378-1007	N4
150	with cover	218	10		10		5378-1008	N4
250	without cover	232	10		10		5378-1013	N4
250	with cover	235	10		10		5378-1014	N4
500	without cover	280	10		10		5378-1015	N4
500	with cover	283	10		10		5378-1016	N4
1000	without cover	332	10		10		5378-1019	N4

SteriPlast® sample spatula

The SteriPlast® sample spatula made of polystyrene is produced and assembled in our clean room of class 7 (10,000), individually packaged for disposable use and then sterilised by gamma rays.
As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The sample spatula is ideal for sampling powders, granulates and pastes.
The scoop with transparent sealing sleeve can be closed again immediately after sampling and the exclusion of contamination can be safeguarded for the sterile sample taken.

- PS, white
- Individually packaged and sterilised by gamma rays
- Production, assembly and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

SteriPlast® sample spatula

Model	Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
without sleeve	263	150	10		10		5378-1009	N4
with sleeve	268	150	10		10		5378-1010	N4

SteriPlast® Bio sample spatula

The SteriPlast® Bio sample spatula made of green PE is produced in our clean room of class 7 (10,000), individually packaged in bio-PE film for disposable use and then sterilised by gamma rays.
Green PE bio-plastic has all the suitable properties of conventional polyethylene and can be completely recycled but is manufactured from renewable raw materials.
As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The sample spatula is ideal for sampling powders, granulates and pastes.

- Product and packaging made of renewable raw materials
- Green PE, white
- Individually packaged and sterilised by gamma rays
- Production and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

SteriPlast® Bio sample spatula

Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
263	150	10		10		5379-1009	N4

SteriPlast® sample spoon

The SteriPlast® sample spoon made of polystyrene is produced in our clean room of class 7 (10,000), individually packaged for disposable use and then sterilised by gamma rays.
The sample spoon is available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and is ideal for sampling powders, granulates and fluids.

- PS, white
- Individually packaged and sterilised by gamma rays
- Production and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

SteriPlast® sample spoon

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2,5	100		10		5378-1011	N4
170	10	100		10		5378-1012	N4

SteriPlast® Bio sample spoon

The SteriPlast® Bio sample spoon made of green PE is produced in our clean room of class 7 (10,000), individually packaged in bio-PE film for disposable use and then sterilised by gamma rays.
Green PE bio-plastic has all the suitable properties of conventional polyethylene but is manufactured from renewable raw materials and can be completely recycled.
The sample spoon is available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and is ideal for sampling powders, granulates and fluids.

- Product and packaging made of renewable raw materials
- Green PE, white
- Individually packaged and sterilised by gamma rays
- Production and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

SteriPlast® Bio sample spoon

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2,5	100		10		5379-1011	N4
170	10	100		10		5379-1012	N4

Disposable sampler, blue

The shade of blue that is used does not occur in a natural form in foodstuffs. Because of this, blue products or parts of them can be quickly found and easily identified in a visual check if they are ever mixed into production.
The use of blue tools thus helps to meet the requirements of the HACCP hazard analysis and assessment in reference to foreign objects. This is an important criterion, especially in food processing and production and in the animal feed and pharmaceutical industry.

- Can be used as part of HACCP/IFS foreign object management
- Especially for the food, animal feed and pharmaceutical industries
- PS, blue
- Individually packaged and sterilised by gamma rays
- Production, assembly and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations

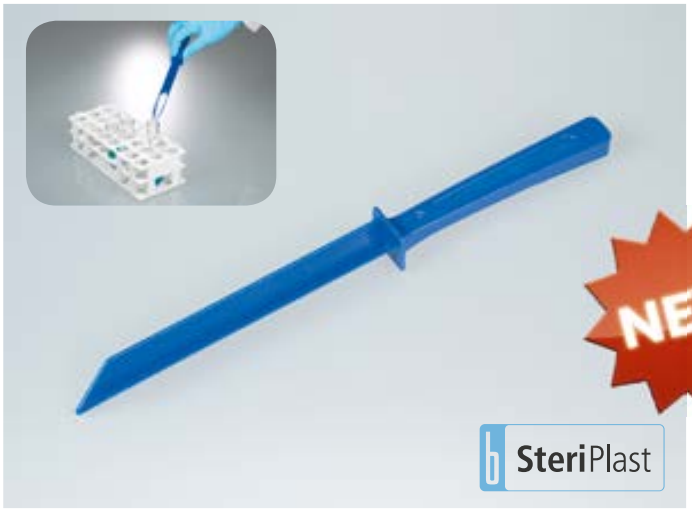
Food scoop, blue

The SteriPlast® food scoop, made of blue polystyrene, is produced and assembled in our class 7 clean room (10,000, except for the 1000 ml scoop), individually packaged for disposable use and then sterilised by gamma rays.
The food scoop is ideal for powders, granulates and pastes.

Food scoop, blue

Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
25	141	10		10		5378-3001 N4
50	160	10		10		5378-3003 N4
100	205	10		10		5378-3005 N4
150	216	10		10		5378-3007 N4
250	232	10		10		5378-3013 N4
500	280	10		10		5378-3015 N4
1000	332	10		10		5378-3019 N4

Spatula for foodstuffs, blue



The SteriPlast® spatula for foodstuffs, made of polystyrene, is produced and assembled in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays. As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The spatula for foodstuffs is ideal for sampling powders, granulates and pastes.

- PS, blue
- Individually packaged and sterilised by gamma rays
- Production, assembly and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations

Spatula for foodstuffs, blue

Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
263	150	10		10		5378-3009	N4

Spoon for foodstuffs, blue

The SteriPlast® spoon for foodstuffs, made of polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.
The spoon for foodstuffs is available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and is ideal for sampling powders, granulates, pastes and fluids.

- PS, blue
- Individually packaged and sterilised by gamma rays
- Production, assembly and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations

Spoon for foodstuffs, blue

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2.5	100		10		5378-3011	N4
170	10	100		10		5378-3012	N4

Detectable disposable samplers

These scoops, spatulas, spoons and scrapers are not only coloured blue but also have a special additive in the material that makes them visible to metal detectors or X rays. These products can therefore be rejected with standard systems for checking for foreign objects, even though they are made of plastic.

- Can be detected by colour scanners, metal detectors or X-rays
- PS detectable, blue
- Individually packaged and sterilised by gamma rays
- Production, assembly and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations

Detectable scoops, blue

Detectable SteriPlast® scoops, made of blue polystyrene, are produced (except for the 1000 ml scoop) and assembled in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.
Detectable scoops are ideal for powders, granulates and pastes.

Detectable scoops, blue

Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
25	141	10		10		5378-2001 N4
50	160	10		10		5378-2003 N4
100	205	10		10		5378-2005 N4
150	216	10		10		5378-2007 N4
250	232	10		10		5378-2013 N4
500	280	10		10		5378-2015 N4
1000	332	10		10		5378-2019 N4

Detectable spatula, blue

Detectable SteriPlast® spatulas, made of blue polystyrene, are produced and assembled in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays. As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. Detectable spatula are ideal for sampling powders, granulates and pastes.

- PS detectable, blue
- Individually packaged and sterilised by gamma rays
- Production, assembly and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations

Detectable spatula, blue

Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
263	150	10		10		5378-2009	N4

Detectable spoon, blue

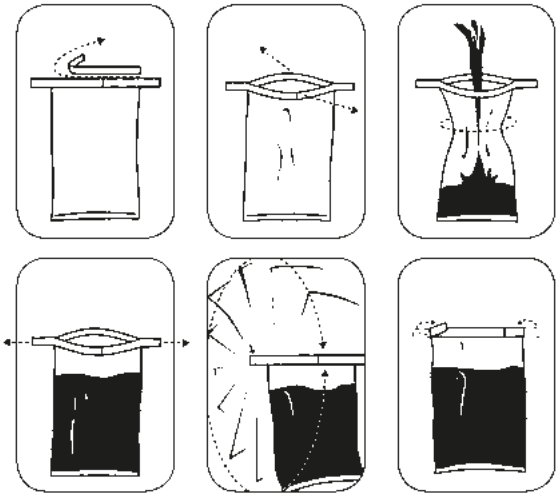
Detectable SteriPlast® spoons, made of polystyrene, are produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.
The detectable spoons are available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and are ideal for sampling powders, granulates and fluids.

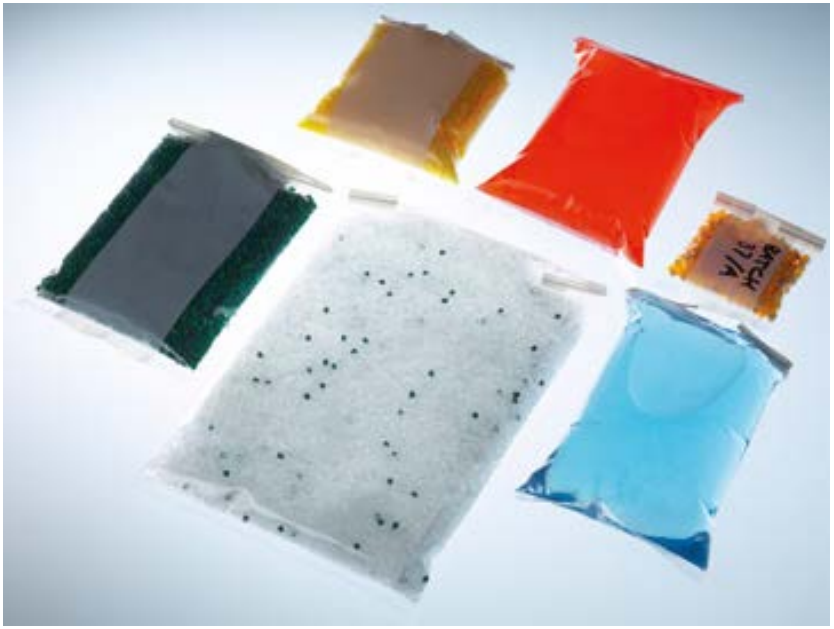
- PS detectable, blue
- Individually packaged and sterilised by gamma rays
- Production, assembly and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations

Detectable spoon, blue

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2.5	100		10		5378-2011	N4
170	10	100		10		5378-2012	N4

Sampling bag SteriBag | the sterilised packaging bag





The sterilised sampling bag SteriBag for samples in chemistry, pharmaceuticals, medicine, veterinary science and foodstuffs etc.
The bags are made of polyethylene and are therefore exceptionally tearproof and leakproof.
The SteriBag sampling bag is distinguished by its safe handling. When used according to instructions, samples are guaranteed sterile.
Integrated safety: The tab-ends are sealed in plastic film to prevent skin injuries.

- Sterilised
- Can be labelled
- Leakproof
- Save space
- Transparent
- With practical closure to tear-open
- Proven millions of times

Bulk prices

Sampling bag SteriBag

Capacity ml	Model	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
60	without labelling area	127 x 76	500		6		5344-0060	N3
60	with labelling area	127 x 76	500		6		5344-0061	N3
150	without labelling area	178 x 76	500		6		5344-0180	N3
150	with labelling area	178 x 76	500		6		5344-0181	N3
450	without labelling area	229 x 114	500		6		5344-0540	N3
450	with labelling area	229 x 114	500		6		5344-0541	N3
650	without labelling area	229 x 140	500		6		5344-0720	N3
650	with labelling area	229 x 140	500		6		5344-0721	N3
900	without labelling area	305 x 114	500		6		5344-0810	N3
900	with labelling area	305 x 114	500		6		5344-0811	N3
1650	without labelling area	305 x 178	250		12		5344-1650	N3
1650	with labelling area	305 x 178	250		12		5344-1651	N3

SteriBag StandUp sample bag

SteriBag StandUp is a sterile sample bag with a stand-up base. The special bottom unfolds as soon as the bag is filled. This makes SteriBag StandUp stable and able to stand on its own without a separate stand or support, leaving both your hands free to take the sample and fill the bag. The wire bracket at the closure keeps the bag open, making it easy and convenient to fill.

The sample bag is the ideal space-saving, unbreakable, inexpensive and sterile replacement for bottles and beakers.

Can be used for samples available as liquids, powders, solids and pastes; suitable for foods and can be frozen.

The stable standing SteriBag StandUp sample bag is easy and safe to transport.

SteriBag StandUp, the sample bag for easy handling of samples.

- Stands stably
- Protected against discharge
- Sterilised
- With labelling field

Bulk prices

SteriBag StandUp sample bag

Capacity ml	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
400	229 x 114	500		5		5344-0400	N3
600	229 x 152	500		5		5344-0600	N3

SteriBag Premium tamper-proof sample bag

The SteriBag Premium sample bags uniquely combine a high degree of security, sterility, tamper evident closure and traceability, they are used to securely transport and for the storage of samples.
After sampling, the sample can be filled directly into the sterile sample bag. The tamper-evident closure seals the bag liquid-tight and secure. When trying to open the closure again, the word "STOP" appears clearly visible. Both the sample bag and the tear-off field are labeled with a unique tracking number, this allows a complete documentation and traceability.
SteriBag Premium is suitable for many demanding applications in the food, pharmaceutical, medical area as well as in cleanroom or biotechnology sectors.

- Sterilised by gamma rays (10^{-6})
- With integrated tamper-proof closure for manipulation evidence
- Unique identification via tracking number
- Suitable for the use with foodstuffs

SteriBag Premium tamper-proof sample bag

Capacity ml	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
300	200x145	100		10		5344-8000	N4

SteriPlast® Kit

The sampling set SteriPlast® Kit consists of ten sample spatulas or ten sample scoops and ten SteriBag Premium tamper-proof sample bags.
Thus the SteriPlast® Kit is the ideal combination for sampling where purity and sterility is essential.
All parts are sterilised by gamma rays and suitable for use with foodstuffs.
The scoops or spatulas are clean room manufactured and individually packed. The sample bag SteriBag Premium has an integrated sealing and is liquid-tight. A unique tracking code on both the bag and the tear-off field guarantees complete documentation and traceability.
SteriPlast® Kit including scoop 50 ml or spatula 150 mm insertion depth, and SteriBag Premium 300 ml.

SteriPlast® Kit – sterile sampling set

Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
Scoop & bag	10		10		5378-8003	N4
Spatula & bag	10		10		5378-8009	N4

SteriPlast® sampling tube

SteriPlast

Sterile sampling tube with removable handle and tightly closing sealing cover. The lid can be opened with one hand and is then at a 90° angle. Liquid/condensate in the lid goes into an absorbing channel integrated into the lid, nothing is lost, nothing can drip.
The sterile sampling tube with a handle of 24 cm in length enables a clean sample to be placed directly in the sampling container. This mainly prevents cross-contamination.

- Polypropylene, blue transparent
- Sterile, packed separately

Bulk prices

SteriPlast® sampling tube							
Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
90	43	80		150		6206-0101	N3

SteriPlast® syringe

The syringe is used to take sterile samples and store them. The sample amount can be read off from the printed contents graduation. The syringe is supplied in a sterile package and is ready for immediate use. The syringe can be extended to any length with additional tubing. A Luer adapter is supplied for the 100 ml syringe.

- PP, transparent
- Contents graduation
- Sterilised, packed separately

SteriPlast

Bulk prices

SteriPlast® syringe							
Capacity ml	Pieces per pack	Division ml	Price €	Quantity scale from	Scale price €	Item no.	
50	10	1		6		5325-0060	N4
100	10	2		5		5325-0100	N4

Spoon spatula, disposable

The spoon spatula is a double spatula with a 0.5 ml spoon and a 17 mm spoon blade.
The spoon spatula has many different uses in labs – as a sampling spoon, for measuring or transferring small amounts, as a scraper or for mixing and stirring.
Specially designed for disposable use, resistant to chemicals and corrosion-proof.
Clean room manufactured, available either in a large package with 100 pieces or 100 pieces packaged individually and sterilised by gamma rays.

- PS
- Production, assembly and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations
- Optionally packaged individually and sterilised by gamma rays

Spoon spatula, disposable

Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
Large package	100		10		5378-0031	N4
Sterilised, packaged individually	100		10		5378-1031	N4

Micro-spatula, disposable

Double scoop spatula with rounded ends, content 1.0 and 0.25 ml.
The micro spatula can be used to sample, transfer or process small amounts of chemicals, powders, granulates, pastes, creams or liquids.
The sturdy and convenient centre handle facilitates precise work.
Clean room manufactured, available either in a large package with 100 pieces or 100 pieces packaged individually and sterilised by gamma rays.

- PS
- Production, assembly and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations
- Optionally packaged individually and sterilised by gamma rays

Micro-spatula, disposable

Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
Large package	100		10		5378-0032	N4
Sterilised, packaged individually	100		10		5378-1032	N4

Sample-spoon

Sampling spoon for withdrawing small quantities of samples. This specially shaped spoon lets you reach almost every corner in a container and prevents samples from trickling out.

- Made of AISI 304 (1.4301) stainless steel
- Largely chemical resistant (not against acids and alkalis)

Sample-spoon					
Length mm	Price €	Quantity scale from	Scale price €	Item no.	
150		10		5320-0150	N4
180		10		5320-0180	N4
210		10		5320-0210	N4
300		10		5320-0300	N4
400		10		5320-0400	N4

PharmaSpoon | for ultrapure sampling

PharmaSpoon for taking samples of powdery substances, intermediate products and material in the pharmaceutical industry. Special materials with excellent surface qualities must be used for this to prevent cross-contamination. Our PharmaSpoon fulfils these requirements. Made of stainless steel AISI 316L (1.4404), surface highly polished by hand (not electro-polished!). The excellent surface properties of the PharmaSpoon provide significant advantages.

- Possible residues are even visible in the trace sector (µg sector)
- The surface is easy to clean
- The PharmaSpoon is also suitable for sterile sampling

The PharmaSpoon was developed by an internationally known pharmaceutical company in Basel, Switzerland, and its usefulness has been confirmed in actual practice.

PharmaSpoon					
Total length mm	Price €	Quantity scale from	Scale price €	Item no.	
650		5		5324-0001	N2

Scoop AISI 304

- Stainless steel AISI 304 (1.4301)
- Sterilisable
- Robust

EasyScoop

When sampling bulk goods with a high specific weight, conventional scoops subject the user's wrist to great stress. EasyScoop with its centrally arranged inner grip is ergonomically designed and ensures easy and safe work. As EasyScoop is considerably shorter than conventional scoops, it is easier to take samples from narrow containers.

- Made of light aluminium, bright-anodised

Scoop AISI 304

Capacity ml	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
120	50		5		5370-0120	N3
450	75		5		5370-0450	N3
1000	100		5		5370-1000	N3
1500	120		5		5370-1500	N3
2500	150		5		5370-2000	N3

EasyScoop

Capacity ml	Length mm	Weight g	Price €	Item no.	
1500	200	325		5356-1500	N2
2000	300	575		5356-2000	N2

FoodScoop

Very stable hand scoop for various applications, particularly suited for the food industry. Seamless connection of scoop and hollow handle, therefore without crevices and edges. Especially smooth, highly polished surface.

- Especially sturdy model
- Stainless steel AISI 304 (1.4301)
- With handy suspension eyelet

FoodScoop

Capacity ml	Total length mm	L x W mm	Price €	Quantity scale from	Scale price €	Item no.	
100	215	120 x 60		5		5371-0100	N3
200	230	140 x 75		5		5371-0200	N3
250	245	155 x 85		5		5371-0250	N3
350	290	180 x 100		5		5371-0350	N3
500	350	220 x 130		5		5371-0500	N3

PharmaScoop

This sample scoop has been developed in order to meet the high requirements of the pharmaceutical industry, such as those contained in the FDA regulations.
Like all samplers for the pharmaceutical industry, they are made of stainless steel AISI 316 without edges, crevices or undercuts in which sample residues could collect and contaminate subsequent samples. The highly polished inner and outer surfaces of the scoop therefore meet all the requirements for GMP compliance in production and sampling.

- Stainless steel AISI 316 (1.4401)
- GMP conform
- Highly polished

PharmaScoop

Capacity ml	Dia. mm	Length mm	Price €	Item no.	
10	25	45		5324-0010	N2
50	38	70		5324-0011	N2
100	50	100		5324-0012	N2
500	95	140		5324-0018	N2
750	95	210		5324-0013	N2
1000	110	235		5324-0014	N2
1250	125	195		5324-0015	N2
1700	135	230		5324-0016	N2
2500	185	215		5324-0017	N2

Stainless steel measuring spoons

Stainless steel measuring spoon in a set of 4, as a measuring aid for fast and easy measuring from 1.25 to 15 ml. The volume is engraved on the handle of each measuring spoon.

- Stainless steel AISI 304 (1.4301)
- Volumes: 1.25 ml, 2.5 ml, 5 ml, 15 ml
- Spoon high-gloss finished, handle matt polished

Stainless steel measuring spoons				
Capacity ml	Price €	Quantity scale from	Scale price €	Item no.
1,25 - 15		10		5334-8000 N4

Volumetric spoons

The capacity is printed on the spoon handle. Available as a set with 8 volumetric spoons or separate in bags of 100 volumetric spoons.

- Polystyrene, blue
- Round shape, easy emptying

Measuring scoops

Universal graduated shovel for filling and measuring of powders and granules. For exact metering, the graduated shovel is to be overfilled and the excess at the upper edge of the shovel is to be wiped off.

- PP, white
- High chemical-resistance

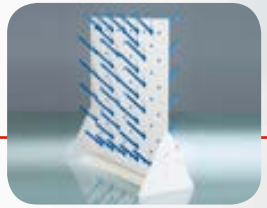
Volumetric spoons

Model	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
set with 8 spoons	0,5 - 50	8		10		5334-0001	N4
pack	0,5	100		10		5334-0005	N4
pack	1	100		10		5334-0010	N4
pack	2,5	100		10		5334-0025	N4
pack	5	100		10		5334-0050	N4
pack	10	100		10		5334-0100	N4
pack	15	100		10		5334-0150	N4
pack	25	100		10		5334-0250	N4
pack	50	100		10		5334-0500	N4

Measuring scoops

Capacity ml	L x W mm	Price €	Quantity scale from	Scale price €	Item no.	
2	60 x 21		48		9614-0002	N3
5	82 x 27		48		9614-0005	N3
10	100 x 34		48		9614-0010	N3
25	135 x 44		48		9614-0025	N3
50	160 x 55		48		9614-0050	N3
100	200 x 70		48		9614-0100	N3
250	260 x 90		24		9614-0250	N3
500	315 x 118		24		9614-0500	N3
1000	385 x 134		24		9614-1000	N3

LaboPlast® from Bürkle – the quality brand for laboratories and science



LaboPlast® is the Bürkle brand for high-quality plastic products that have been specially designed and developed to optimally meet the demanding and in part special requirements in laboratories, industry and science.
Here LaboPlast® stands for the best quality, excellent craftsmanship and outstanding material properties.

Test the products and get to know and appreciate our LaboPlast® product lines!

LaboPlast® bio-products are only manufactured from renewable raw materials. To create a completely sustainable product, the individual packaging is also made of bio-PE. This is 100 % recyclable and is manufactured without fossil raw materials. This also involves a CO_2 saving as well as a reduction of the greenhouse effect.

The highest quality and ecological sustainability combined perfectly!

LaboPlast® scoop, disposable

The LaboPlast® disposable scoop made of polystyrene is produced and assembled in our clean room of class 7 (10,000, except for the 1000 ml scoop) and individually packaged for disposable use.
The disposable scoop is ideal for powders, granulates and pastes.
The scoop with transparent cover can be closed immediately after sampling and the exclusion of contamination can therefore be safeguarded.

- PS, white
- Individually packaged
- Production, assembly and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

LaboPlast® scoop, disposable

Capacity ml	Model	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
25	without cover	141	10		10		5378-0001	N4
25	with cover	142	10		10		5378-0002	N4
50	without cover	160	10		10		5378-0003	N4
50	with cover	161	10		10		5378-0004	N4
100	without cover	205	10		10		5378-0005	N4
100	with cover	206	10		10		5378-0006	N4
150	without cover	216	10		10		5378-0007	N4
150	with cover	218	10		10		5378-0008	N4
250	without cover	232	10		10		5378-0013	N4
250	with cover	235	10		10		5378-0014	N4
500	without cover	280	10		10		5378-0015	N4
500	with cover	283	10		10		5378-0016	N4
1000	without cover	332	10		10		5378-0019	N4

LaboPlast® Bio scoop

The LaboPlast® Bio disposable scoop made of green PE is produced in our clean room of class 7 (10,000) and individually packaged in bio-PE film for disposable use.
Green PE bio-plastic has all the suitable properties of conventional polyethylene but is manufactured from renewable raw materials and can be completely recycled.

- Product and packaging made of renewable raw materials
- Bio-PE, white
- Individually packaged
- Production and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

LaboPlast® Bio scoop

Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
25	141	10		10		5379-0001	N4
50	160	10		10		5379-0003	N4
100	205	10		10		5379-0005	N4
150	216	10		10		5379-0007	N4

LaboPlast® spatula, disposable

The LaboPlast® disposable spatula made of polystyrene is produced and assembled in our clean room of class 7 (10,000) and individually packaged for disposable use.
As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The disposable spatula is ideal for sampling powders, granulates and pastes.
The spatula with transparent sealing sleeve can be closed again immediately after sampling and the exclusion of contamination can be safeguarded for the sample taken.

- PS, white
- Individually packaged
- Production, assembly and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

LaboPlast® spatula, disposable

Model	Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
without sleeve	263	150	10		10		5378-0009	N4
with sleeve	268	150	10		10		5378-0010	N4

LaboPlast® Bio spatula

The LaboPlast® Bio disposable spatula made of green PE is produced in our clean room of class 7 (10,000) and individually packaged in bio-PE film for disposable use.
Green PE bio-plastic has all the suitable properties of conventional polyethylene and can be completely recycled but is manufactured from renewable raw materials.
As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The spatula is ideal for sampling powders, granulates and pastes.

- Product and packaging made of renewable raw materials
- Green PE, white
- Individually packaged
- Production and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

LaboPlast® Bio spatula

Total length mm	Insertion depth mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
263	150	10		10		5379-0009	N4

LaboPlast® spoon, disposable

The LaboPlast® disposable spoon made of polystyrene is produced in our clean room of class 7 (10,000) and individually packaged for disposable use.
The spoon is available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and is ideal for sampling powders, granulates and fluids.

- PS, white
- Individually packaged
- Production and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

LaboPlast® Bio spoon

The LaboPlast® Bio disposable spoon made of green PE is produced in our clean room of class 7 (10,000) and individually packaged in bio-PE film for disposable use.
Green PE bio-plastic has all the suitable properties of conventional polyethylene but is manufactured from renewable raw materials and can be completely recycled.
The disposable spoon is available in two sizes, 2.5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon), and is ideal for sampling powders, granulates and fluids.

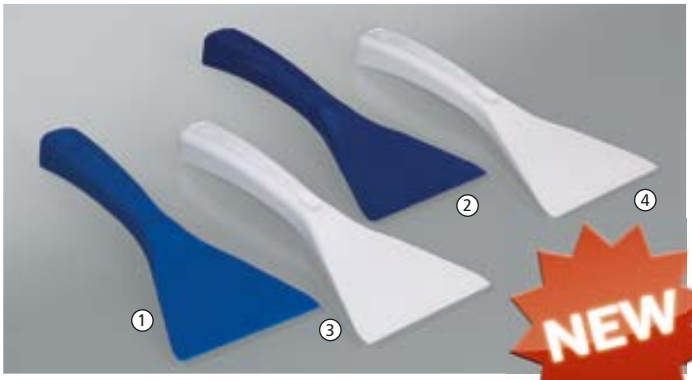
- Product and packaging made of renewable raw materials
- Green PE, white
- Individually packaged
- Production and packaging according to clean room class 7
- With EU foodstuffs and FDA approval

LaboPlast® spoon, disposable

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2,5	100		10		5378-0011	N4
170	10	100		10		5378-0012	N4

LaboPlast® Bio spoon

Length mm	Capacity ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
127	2,5	100		10		5379-0011	N4
170	10	100		10		5379-0012	N4



① Scraper for foodstuffs, blue

The SteriPlast® scraper for foodstuffs, made of blue polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.
Sturdy and convenient scraper for disposable use. The scraper is suitable for scraping off, smoothing or cleaning as well as removing residue.

- Can be used as part of HACCP/IFS foreign object management
- Especially for the food, animal feed and pharmaceutical industries

② Detectable scraper, blue

The detectable SteriPlast® scraper, made of polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.
Sturdy and convenient scraper for disposable use. The detectable scraper is suitable for scraping off, smoothing or cleaning as well as removing residue.

- Can be detected by colour scanners, metal detectors or X-rays

③ Scraper LaboPlast®, disposable

The LaboPlast® scraper, made of polystyrene, is produced in our class 7 clean room (10,000) and individually packaged for disposable use.
Sturdy and convenient scraper for disposable use. The scraper is suitable for scraping off, smoothing or cleaning as well as removing residue.

- Individually packaged

④ Scraper SteriPlast®

The SteriPlast® scraper, made of polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilised by gamma rays.
Sturdy and convenient scraper for disposable use. The scraper is suitable for scraping off, smoothing or cleaning as well as removing residue.

- Individually packaged and sterilised by gamma rays

SteriPlast LaboPlast

① Scraper for foodstuffs, blue

L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
200 x 80	10		10		5378-3030	N4

② Detectable scraper, blue

L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
200 x 80	10		10		5378-2030	N4

③ Scraper LaboPlast®, disposable

L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
200 x 80	10		10		5378-0030	N4

④ Scraper SteriPlast®

L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
200 x 80	10		10		5378-1030	N4

Even if we are not just round the corner,

one of our partners is sure to be not far from you!

Are you looking for a local contact or sales partner?

Under **www.buerkle.de** → **Distributors & Partners** you can find out who your local direct contact to Bürkle is – even worldwide.

Plastic scoops and scrapers

Iron scoops are loud, they can be dented, they rust and they are heavy. Plastic scoops have none of these disadvantages and are also hygienic because they are made in one piece and have a non-stick surface. They also have a high chemical resistance, they are unbreakable and, depending on the version, may be anti-static, anti-microbial, suitable for use with food and available in different colours (cadmium-free) – all valuable advantages!

Depending on the version the scoops may be anti-static, anti-microbial, suitable for use with food and available in different colours (cadmium-free).
The scoops and scrapers are made of polypropylene and contain additives for different applications:

- Industry: green
- Foodstuffs: white

Six products:

- Scraper with fixed handle
- Hand scoop
- Filling scoop, ideal for sampling
- 2-part shovel with D-grip
- 2-part shovel with T-grip
- 1-part shovel reduces contamination

Pharmaceuticals, biotechnology, foods, feed, chemistry, industry, agriculture, fish farming, sampling, veterinary use.

The shape of the food scoops corresponds to the industrial scoops on page 149.

Scoops and scrapers for foodstuffs

Polypropylene's easy-to-clean, smooth and pore-free surface makes these scoops extremely suitable for the food sector. The scoops can be also used for boiling products.

- For foodstuffs (FDA and (EU) Nr. 10/2011)

① Hand scoops for foodstuffs

L x W mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.
315 x 247	52,7	509		5		8300-1010 N3

② Filling scoops for foodstuffs

W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.
110 x 150 x 250	25	90		5		8300-5010 N3
138 x 187 x 310	31	187		5		8300-5011 N3
167 x 230 x 355	35	289		5		8300-5012 N3

⑤ 1-part shovels for foodstuffs

Handle	W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.
D	279 x 362 x 1107	111	1564		5		8300-0010 N3
D	347 x 410 x 1100	110	1882		5		8300-0011 N3

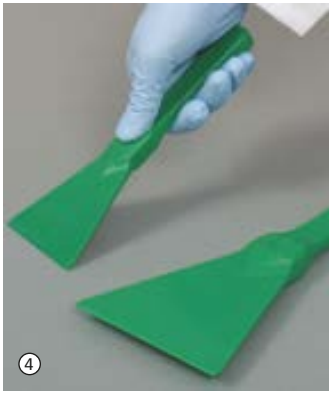
③ 2-part shovel for foodstuffs

Handle	W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.
T	247 x 315 x 966	97	1040		5		8300-2010 N3

④ Scrapers for foodstuffs

L x W mm	Weight g	Price €	Quantity scale from	Scale price €	Item no.
205 x 75	44		5		8300-4011 N3
250 x 110	80		10		8300-4010 N3

Plastic scoops and scrapers



Scoops and scrapers for industry

With anti-static additive, ideal for robust use in chemistry and industry. Polypropylene has a high resistance to chemicals and temperatures. The scoops are unbreakable, easy to clean and light-weight.

- Anti-static

① Hand shovel for industry

L x W mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.
315 x 247	51,5	509		5		8300-1003 N3
350 x 257	58,7	810		5		8300-1001 N3

② Filling scoops for industry

W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.
110 x 150 x 250	25	90		10		8300-5001 N3
138 x 187 x 310	31	187		5		8300-5002 N3
167 x 230 x 355	35	289		5		8300-1002 N3

③ 2-part shovel for industry

Handle	W x D x L mm	Total length cm	Weight g	Price €	Quantity scale from	Scale price €	Item no.
T	247 x 315 x 966	97	1004		5		8300-2001 N3
D	257 x 350 x 1045	104,5	1280		5		8300-3006 N3

④ Scrapers for industry

L x W mm	Weight g	Price €	Quantity scale from	Scale price €	Item no.
205 x 75	44		10		8300-4001 N3
250 x 110	80		10		8300-4002 N3

BeefSteaker | as per HACCP

Meat sampler for taking bacteriological samples from the surfaces of dead animals in slaughterhouses and in butchers' shops (cattle, pigs, sheep, goats and horses). The BeefSteaker is used to cut out a 25 mm round sample from the animal's skin. The stainless steel AISI 420 cutter allows the sample to be cut out easily.

The BeefSteaker can also be used for other sampling purposes (histology, medicine, food and semi-luxury articles, cheese factories, agriculture).

The BeefSteaker can be steam-sterilised or flamed. A hole in the crown prevents air compression and is used for ejecting the sample.

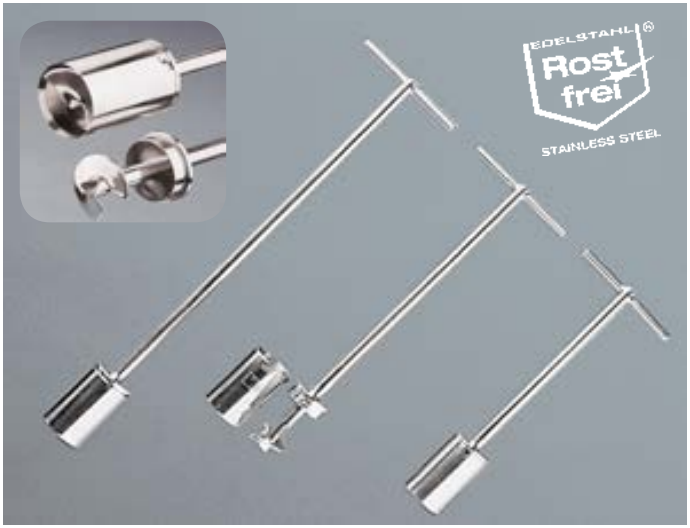
BeefSteaker

Dia. mm	Price €	Item no.	
25		5388-1000	N4

Accessories

Description	Price €	Item no.	
Transport case BeefSteaker		3600-0101	N3

IceSampler | for frozen, pasty materials



Sampler developed for sampling from frozen, highly viscous, paste-like materials such as ice-cream and similar substances. The drill-shaped cutter screws itself into the frozen goods independently when being rotated.
The collection cylinder can easily be detached via a bayonet connection. The sample is then available and can be removed.

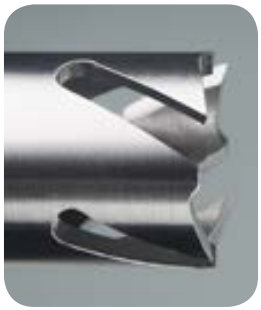
- Stainless steel AISI 316L (1.4404), electro-polished
- Sterilisable
- Easy cleaning
- Collection cylinder 38 mm Ø

IceSampler

Length mm	Volume ml	Price €	Item no.	
300	50		5339-0300	N2
550	50		5339-0550	N2
1050	50		5339-1050	N2

Ice borer | for deep-frozen and semi-solid substances

Sampler for deep-frozen and semi-solid substances products in the food industry. The sharp sawing crown of the very robust hollow borer rapidly cuts into the sample. A cylindrical sample (cross-sectional sample) of up to 20 cm can be cut out.
Ice borer consisting of three parts: Borer, borer head for use in conventional drills and rod for pressing the cylindrical sample out of the borer head.



- Stainless steel AISI 316L (1.4404) / AISI 316 Ti (1.4571)
- Sterilisable
- 20 cm boring depth

Ice borer

Inner dia. mm	Outer dia. mm	Drilling depth mm	Price €	Item no.
16	21	200		5323-0200 N4
50	54	200		5323-2010 N4

Soil sampler GeoSampler | soil sampling

Soil sampler for light soils, meadows and lawns. The foot bar of model 5350-5006 makes work much easier.

- Stainless steel

Soil sampler GeoSampler

Model	Total length cm	Flute length mm	Outer dia. mm	Inner flute dia. mm	Weight g	Price €	Item no.	
without foot bar	56	300	17	11	550		5350-5003	N2
with foot bar	81	300	20	14	1500		5350-5006	N2

Soil sampler Puerckhauer | soil sampling

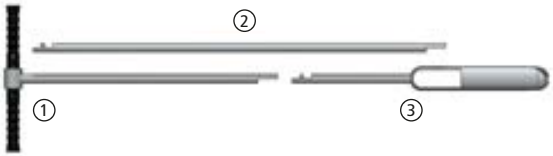
Very robust Puerckhauer-sampler for heavy and stony soils. Model 5350-5018 has a conically-tapered 60 cm tip which makes it much easier to extract the driven-in sampler.
Ideal for N-min sampling 0 – 90 cm.

- Depth graduation 10 cm divisions
- Attachable handle, with non-slip plastic grips
- Reinforced impact head
- Stainless steel

Soil sampler Puerckhauer

Total length cm	Flute length mm	Outer dia. top mm	Outer dia. bottom mm	Inner flute dia. mm	Weight g	Price €	Item no.	
81	600	20	20	13	2400		5350-5012	N2
117,5	1000	28	25	18	3800		5350-5018	N2

Mole with handle and bar



Very robust model with specially hardened forged drill bits. For determining soil properties, moisture and structure. The shape of the Mole's drill bits ensures minimum friction when drilling and removing the Mole from the ground. This reduces physical effort to a minimum.

The Mole has different components. Handle with 75 cm rod, extension rod 100 cm if necessary and one of seven available drill bits, each of which is designed for a particular soil type. The components can be combined without any problems. Extension rods can extend the working depth of the Mole down to 5 m.

⚠ Please order drill bits seperately!

① Mole with handle and bar

FE 2 weeks

Model	Length cm	Price €	Item no.
handle with rod, without drill bit	75		5350-1005 N4

Accessories

Description	Price €	Item no.
② Extension for mole		5350-1010 N4
Transport case LxWxH 123x25x11 cm		3600-2120 N4

Drill bits for mole

There are various drill bits for Mole, which are each designed for very specific soil properties:

Ⓐ **Clay and damp soil**
With narrow side panels for minimum soil friction/resistance. As wet soils are usually very cohesive, the soil still adheres to the bit very well.

Ⓑ **Sand**
With broad side panels and therefore a large retention capacity for the sand.

Ⓒ **Coarse sand**
With extra broad side panels enclosing even more of the bit so that even coarse sandy soils and very dry soils are retained.

Ⓓ **Combination**
Retains both strongly cohesive and less cohesive soils.

Ⓔ **Riverside**
Very suitable for drilling in hard, encrusted soils and soils mixed with fine gravel. The drill cutters project from the drill itself, so that friction is greatly reduced.

Ⓕ **Gravel drill**
With slightly rounded, oblique scoops which pull themselves downward in the gravel. Any stones present are clamped between the drill sides. Finer soil material (coarse sand with fine gravel) is retained in the drill bit.

Ⓖ **Stone catcher**
The stone catcher is used to collect and remove stones that prevent proper sampling with one of the other drill bits.

③ Drill bits for mole

Model	Price €	Quantity scale from	Scale price €	Item no.
Ⓐ clay and wet soils		5		5350-1015 N4
Ⓑ sand		5		5350-1020 N4
Ⓒ coarse sand		5		5350-1025 N4
Ⓓ combination		5		5350-1030 N4
Ⓔ riverside		5		5350-1035 N4
Ⓕ gravel drill		5		5350-1040 N4
Ⓖ stone catcher		5		5350-1045 N4

MiniTherm

This immersion/insertion thermometer is suitable for measuring temperatures in gases, soft or powdered substances and liquids.
New: The mini thermometer in watertight design can simply be rinsed under flowing water or even cleaned in a dishwasher.

- Easy and quick battery replacement, battery included
- Sensor directly in the measuring tip
- Handy
- Many uses

MiniTherm

Model	Measuring range °C	Length mm	Dia. mm	IP Code	Price €	Item no.	
standard	-50 to +150	133	4	41		5384-0011	N2
watertight	-20 to +230	120	4	67		5384-0012	N2

SnowPack® dry ice machine

SnowPack® enables you to obtain a - 79 °C dry ice tablet weighing 50 or 250 g within a few moments, without complicated technology and without electricity! You can therefore obtain low-cost cooling to very low temperatures at any time you like.
SnowPack® is often used in hospitals, universities, schools, institutes, laboratories, in the chemical industry and in materials testing facilities.
Examples of use: Lowering the temperature in cooling baths or cold traps, pre-cooling tissue samples, ensuring safe transport or embedding biological substances, freezing blood and tissue samples, studies in chemistry, physics and materials technology, etc.
Dry ice is easy to handle, odourless and flavourless. The SnowPack® dry ice machine can be installed on any commercial CO2-bottle with a standpipe (without pressure regulator) (thread W 21.80 x 1/14" according to DIN 477-1 No. 6). These often exist in many production facilities and laboratories anyway. If this is not the case, a bottle can be rented for a small price from a local specialist gas distributor.
For more info see page 230.

SnowPack® dry ice machine

Model	Tablet dia. x H mm	Weight g	Gas escape time ca. min	Tablets per 22 kg bottle	Price €	Item no.	
SnowPack® 50	50 x 30	50	0,5	approx. 90		9805-0030	N4
SnowPack® 250	80 x 60	250	1	approx. 16		9805-0200	N4

Sample boxes, aseptic

Sample box with tightly closing sealing cover. The lid can be opened with one hand and its hinge angle is 90°. Liquid/condensate in the lid runs into an absorbing groove integrated in the lid, nothing is lost, nothing can drip. The box is completely tight, has no crevices, is therefore easy to fill and can be emptied without residues. The sample box is produced under aseptic conditions. It is autoclavable and suitable for deep freezing.

- PP, transparent
- Aseptic
- With area for labelling and graduation

Sample container, round

Sample box with screw lid. Ideal for taking samples and transport. Available in two material qualities: highly transparent PP for powder, pastes, liquids, or PFA for super pure collection of samples. Emptying without residues because there are no crevices.

- PP or PFA autoclavable
- Thick sides
- Sample container PFA not suitable for food

Sample tubes aseptic, with seal

The sample boxes are manufactured in the cleanroom and sealed in the injection moulding machine at over 100°C, so that the insides of the boxes are virtually sterile. This method makes the boxes absolutely leakproof, as the cap and box adapt ideally to each other during the cooling process. No crevices, therefore easy to fill and can be emptied without residues. With tamper-evident seal which guarantees virtual sterility until the first opening. After opening, it can be sealed again with a practical seal.

- PP, transparent
- Aseptic
- With graduation
- Sterilisable

Sample boxes, aseptic

Capacity ml	Height mm	Dia. mm	Model	Price €	Quantity scale from	Scale price €	Item no.
50	78	31	with labelling area and graduation		650		6206-0060 N3
90	80	43	with labelling area and graduation at 80 ml		350		6206-0100 N3
300	88	75	graduated		240		6206-0300 N3

Sample container, round

Material	Capacity ml	Inner dia. mm	Outer dia. mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.
PP	60	35	50	93		10		6203-0060 N3
PP	180	50	65	119		10		6203-0180 N3
PFA	90	50	65	65		10		6205-0090 N3
PFA	180	50	65	119		10		6205-0180 N3

Sample tubes aseptic, with seal

Capacity ml	Height mm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.
55	84	29		90		6207-0055 N3
340	119	63		90		6207-0340 N3

Tubes with screw cap

Shapely packing container with screw cap. Emptying without residues because there are no crevices, cost-effective.

- PP, white
- Sterilisable

Tubes with screw cap

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
12	25	31		100		6214-0012	N3
25	31	40		100		6214-0025	N3
60	41	56		100		6214-0060	N3
90	52	52		100		6214-0090	N3
125	52	67		100		6214-0125	N3
250	68	79		100		6214-0250	N3
625	90	113		70		6214-0600	N3
1000	102	129		80		6214-1000	N3

Sample beaker with cover

Sample beaker with liquid-tight red screw-on cover. The sample beakers are aseptic and suitable for use with food. The beakers can be autoclaved without the cover.

- PP beaker, LDPE cover
- Temperature resistance of beaker -20°C/+120°C, cover -80°C/+75°C
- Aseptic

Sample beaker with cover

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
125	52	74		380		7103-0125	N3

Aluminium bottle | light, unbreakable, seamless

The aluminium bottle is particularly suited for storing, transport or sending substances and reference samples which have to be stored completely unaltered. Other properties: can be completely emptied without residues, odour-neutral, impervious to light, rustproof.

- Pure aluminium (material AL 99.5)
- With tamper-evident screw cap made of PP with aluminium inner seal
- Suitable for food
- With UN approval (for 60-1200 ml)

Aluminium bottle

Capacity ml	Dia. mm	Height with cap mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.	
38	35	70	no		387		0327-0038	N3
60	40	88	1B1/X/250		304		0327-0060	N3
120	57	97	1B1/X/250		143		0327-0120	N3
300	57	160	1B1/X/250		149		0327-0300	N3
600	74	192	1B1/X/250		84		0327-0600	N3
1200	88	248	1B1/X/250		60		0327-1200	N3

Sealable wide-necked bottles

Sturdy bottle with sealing eyelets on the screw cap and the bottle. Particularly suited for sending samples. Seals provide increased sample authenticity. Easy to fill due to wide opening. Particularly suitable for viscous media, powder, granules and pastes.

- HDPE
- Leakproof
- Easy to fill due to wide-necked opening

Sealable wide-necked bottles

Capacity ml	Container dia. mm	Neck dia. inside mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
250	64	26,5	118		50		0322-0250	N3
500	78	40	147		50		0322-0500	N3
1000	100	50	186		50		0322-1000	N3
2000	120	50	230		50		0322-2000	N3

Accessories

Description	Price €	Item no.	
SampleSafe seal, red, 100 pieces		5399-2902	N4

Table of contents containers

160 – 166 Narrow-necked bottles
167 – 170 Wide-necked bottles
171 – 176 Spray bottles, wash bottles and dropping bottles
178 – 179 Aluminium bottles
180 – 185 Boxes
183 – 185 Sample containers
186 – 192 Canisters, wide-mouth containers
192 – 193 Storage/stacking containers
194 – 197 Tubs, big containers
198 – 199 Safety containers
200 – 201 Packaging buckets, packaging bags

Containers

Bottles, tubes, jerry cans

Narrow-necked bottles for universal use | easy to handle and squeeze, reliable outflow

Universal bottles for storing, packing, lab, taking samples, sampling and transport of liquids.

- With screw cap
- LDPE, transparent
- With wash bottle closure
  see Page 174
- With dropper cap
  see Page 176

Bulk prices

Narrow-necked bottles for universal use

Capacity ml	Container dia. mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.
10	26	47	9	14		100		0302-0010 N3
20	32	58	9	14		100		0302-0020 N3
30	35	67	9	14		100		0302-0030 N3
50	40	86	13	18		100		0302-0050 N3
100	45	106	13	18		100		0302-0100 N3
200	58	134	13	18		25		0302-0200 N3
250	60	140	18	25		50		0302-0250 N3
500	75	173	18	25		50		0302-0500 N3
1000	95	213	21	28		50		0302-1000 N3
2000	120	263	21	28		50		0302-2000 N3
3000	139	306	24	32		20		0302-3000 N3
5000	163	360	31	40		10		0302-5000 N3

Round bottles with snap closure

Handy round bottles with snap-action hinged lid, especially suited for cosmetic liquids, emulsions, creams and oils. Sampling possible per portion.

- HDPE transparent
- Snap closure with hole Ø 3 mm
- Cost-effective and shapely

Bulk prices

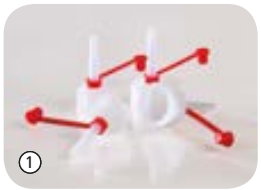
Round bottles with snap closure

Capacity ml	Height with cap mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
100	115	22		50		0308-0100	N3
250	143	22		50		0308-0250	N3
500	182	25		50		0308-0500	N3
1000	221	25		72		0308-1000	N3

Tall-form bottles

Universal bottle for storing, packing, lab, sampling.

- LDPE, transparent
- Leakproof
- With screw cap
- Matching dropper cap is available as accessory



Tall-form bottles

Capacity ml	Dia. mm	Height mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
100	45	98	13	18		100		0314-0100	N3
250	61	128	18	25		50		0314-0250	N3
500	77	162	18	25		50		0314-0500	N3
1000	95	198	21,6	28		50		0314-1000	N3

Accessories

Description	Price €	Item no.	
1 Dropper cap fits for thread dia. 18 mm		0300-3018	N3
1 Dropper cap fits for thread dia. 25 mm		0300-3025	N3
1 Dropper cap fits for thread dia. 28 mm		0300-3028	N3

The purity of disposable products and ecological sustainability combined perfectly!

With our new LaboPlast® Bio and SteriPlast® Bio product lines, we offer you products that features all the properties for high-quality sampling.
The improved specifications in this area can in part only be realised with disposable products. However to take into account environmental awareness and to safeguard ecologically sustainable trade, we now also offer these disposable products made of bio-plastic.

LaboPlast® bio-products are only manufactured from renewable raw materials. SteriPlast® bio-products are also sterilised by gamma rays. To create a completely sustainable product, the individual packaging is also made of bio-PE. This is 100 % recyclable and is manufactured without fossil raw materials. This also involves a CO_2 saving as well as a reduction of the greenhouse effect.

Sugarcane
100 % renewable raw material

100 % recyclable

I'm green

Green PE

Reduces CO_2 (2.1 t/t PE)
Reduces the greenhouse effect

LaboPlast Bio

SteriPlast Bio

Optimum product properties

- A perfect match for sampling purposes
- With EU foodstuffs and FDA approval
- Mainly manufactured, assembled and packed in Bürkle's own clean room
- SteriPlast® Bio sterilised by gamma rays is also available

Environmentally friendly and sustainable

- Product and packaging made of bio-plastic
- Made of sustainable raw materials, dispensing with fossil materials
- CO_2 saving and thus reduction of the greenhouse effect
- 100 % recyclable
- Sugarcane, 100 % renewable raw material – reduces CO_2 (2.1 t/t PE) – reduces the greenhouse effect

Narrow-necked bio-bottles PE

The narrow-necked bio-bottles are manufactured from green PE biopolymer. This material has the same outstanding properties as conventional PE and can be recycled. However it is manufactured from renewable raw materials instead of fossils. Green PE therefore helps to reduce CO2 emissions and protect the environment.

- With screw connection
- Manufactured from renewable raw materials
- Green LDPE

LaboPlast Bio

Narrow-necked bio-bottles PE

Capacity ml	Container dia. mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.
10	26	47	9	14		100		0303-0010 N3
20	32	58	9	14		100		0303-0020 N3
50	40	86	13	18		100		0303-0050 N3
100	45	106	13	18		100		0303-0100 N3
250	60	140	18	25		100		0303-0250 N3
500	75	173	18	25		100		0303-0500 N3
1000	95	213	21	28		100		0303-1000 N3

Laboratory bottle PET sterile

Sterile laboratory bottle for use in laboratories and chemical handling areas. Good product presentation due to crystal-clear PET. Space-saving and absolutely leakproof. Ideal for storing and packing liquids.

- Sterile SAL 10^{-3} (according to ISO 11137)
- PET crystal-clear
- With tamper-proof closure
- With moulded-in raised graduation

Laboratory bottle PET sterile

Capacity ml	L x W mm	Height with cap mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.	
125	53 x 53	105	32		336		0370-0125	N3
250	64 x 64	132	32		144		0370-0250	N3
500	76 x 76	173	32		120		0370-0500	N3
1000	96 x 96	212	32		48		0370-1000	N3

Laboratory bottles with graduation PC

High-quality laboratory bottle made of polycarbonate for universal use. Shatterproof at room temperature. Easily operated screw thread, safe pouring, with moulded-in raised contents graduation.

- Polycarbonate crystal-clear, autoclavable
- With screw cap PP
- Guaranteed leakproof
- With moulded-in raised graduation

Laboratory bottles with graduation PC

Capacity ml	L x W mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
125	55 x 55	109	28	37		6		0316-0125	N2
250	61 x 61	145	28	37		6		0316-0250	N2
1000	95 x 95	218	28	37		4		0316-1000	N2
2000	116 x 116	275	39	53		6		0316-2000	N2

Narrow-necked square bottle

Cost-effective square bottle for packing and storing of liquids, powders and granules.

- HDPE, transparent, shatterproof
- Special labelling area for labels or manual lettering
- Leakproof

Narrow-necked square bottle

Capacity ml	L x W mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
20	27 x 27	51	13	18		100		0331-0020	N3
50	33 x 34	77	13	18		100		0331-0050	N3
100	43 x 43	78	17,5	25		100		0331-0100	N3

Narrow-necked square bottle, screw cap

Cost-effective square bottle for packing and storing of liquids.

- HDPE, transparent, shatterproof
- Special labelling area for labels or manual lettering
- Suitable as a disposable bottle
- Leakproof
- With screw cap

Bulk prices

Narrow-necked square bottle with screw cap

Capacity ml	L x W mm	Height with cap mm	Thread dia. mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.	
100	41 x 33	113	18	13		100		0332-0100	N3
250	51 x 43	160	25	17,5		50		0332-0250	N3
500	68 x 53	182	25	17,5		50		0332-0500	N3
1000	89 x 66	230	25	17,5		50		0332-1000	N3

Accessories

Description	Price €	Item no.	
Dropper cap fits for thread dia. 18 mm		0300-3018	N3
Dropper cap fits for thread dia. 25 mm		0300-3025	N3
Dropper cap fits for thread dia. 28 mm		0300-3028	N3

Narrow-neck reagent bottle

Universal bottles for storing, packing, taking samples, sampling and transport of liquids.

- HDPE, transparent
- PP tamper-evident screw cap, blue

Narrow-neck reagent bottle

Capacity ml	L x W mm	Height capless mm	Thread dia. mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.
100	45 x 45	108	32	17		100		0340-0100 N3
250	60 x 60	136	32	17		50		0340-0250 N3
500	74 x 74	170	32	17		50		0340-0500 N3
1000	85 x 85	221	32	17		72		0340-1000 N3
2500	122 x 122	272	45	28		27		0340-2500 N3

Wide-neck reagent bottle

The reagent bottle is particularly suited for storing, packing, taking samples, sampling and transport of granules and paste-like media.

- HDPE, transparent
- PP tamper-evident screw cap, blue
- UN approval for bulk goods (see page 269)

Wide-neck reagent bottle

Capacity ml	L x W mm	Height capless mm	Thread dia. mm	Neck dia. inside mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.
50	36 x 36	89	28	21	no		700		0342-0050 N3
100	45 x 45	101	32	24	UN3H1/X0.3		582		0342-0100 N3
250	59 x 59	130	45	35	UN3H1/X0.8		273		0342-0250 N3
500	75 x 75	162	54	43	UN3H1/X1.5		124		0342-0500 N3
750	83 x 83	188	54	43	UN3H1/X2.5		90		0342-0750 N3
1000	85 x 85	214	54	43	UN3H1/X2.5		81		0342-1000 N3
1500	108 x 108	209	80	69	UN3H1/X4		42		0342-1500 N3
2500	122 x 122	260	80	69	UN3H1/X5		27		0342-2500 N3
4000	142 x 142	294	80	69	UN3H1/X5.5		15		0342-4000 N3

Wide-necked bottle | easy to fill and clean, compact form, unbreakable

Sturdy bottle with wide-necked opening and screw cap. Particularly suitable for viscous media, powder, granules and pastes. Leakproof.

- LDPE or PP
- LDPE coloured brown for light-sensitive liquids

Individual customer-specific printing possible - please ask us!

Wide-necked bottle

Material	Capacity ml	Colour	Dia. mm	Height mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.
LDPE	50	transparent	40	80	24	32		100		0318-0050 N3
LDPE	100	transparent	48	95	24	32		100		0318-0100 N3
LDPE	200	transparent	59	114	30	40		384		0318-0200 N3
LDPE	250	transparent	64	127	31	40		50		0318-0250 N3
LDPE	500	transparent	77	158	39	50		50		0318-0500 N3
LDPE	750	transparent	88	176	39	50		98		0318-0750 N3
LDPE	1000	transparent	94	207	50	65		50		0318-1000 N3
LDPE	1500	transparent	108	232	50	65		46		0318-1500 N3
LDPE	2000	transparent	120	252	50	65		50		0318-2000 N3
PP	100	transparent	48	95	24	32		100		0319-0100 N3
PP	250	transparent	64	127	31	40		50		0319-0250 N3
PP	500	transparent	77	158	39	50		100		0319-0500 N3
PP	1000	transparent	94	207	50	65		50		0319-1000 N3
LDPE	250	brown	64	127	31	40		50		0320-0250 N3
LDPE	500	brown	77	158	39	50		50		0320-0500 N3
LDPE	1000	brown	94	207	50	65		50		0320-1000 N3

Wide-necked square bottle

Cost-effective square bottle for packing and storing of liquids, powders and granules.

- HDPE, transparent, shatterproof
- Special labelling area for labels or manual lettering
- Leakproof

Wide-necked square bottle

Capacity ml	L x W mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
250	59 x 59	110,5	30	50		100		0338-0250	N3
500	68 x 68	146	30	50		100		0338-0500	N3
1000	90 x 90	170	50	65		50		0338-1000	N3

Multi-Bottles with graduation

Bottle for universal use. The medium-sized bottle opening ensures good filling and safe pouring.

- Bottle HDPE, lid PP
- Embossed contents scale
- Absolutely leakproof
- With screw cap

Bulk prices

Multi-Bottles with graduation

Capacity ml	Container dia. mm	Height capless mm	Neck dia. inside mm	Division ml	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
100	46	99,5	19	25	25		20		0301-0100	N3
250	61	129,5	24	50	28		10		0301-0250	N3
500	76	161	30,8	50	40		10		0301-0500	N3
1000	97	203	39,2	100	50		4		0301-1000	N3

Bottle with child safety lock, narrow neck

Narrow-neck bottles with child-safe, press and turn safety closure. The cover also has a tamper-proof ring which makes it evident when the bottle has been opened for the first time.

- Ideal for storing hazardous substances
- HDPE, transparent
- PP child-safe, screw-on tamper-proof closure

Bottle with child safety lock, narrow neck

Capacity ml	L x W mm	Height capless mm	Price €	Quantity scale from	Scale price €	Item no.	
100	45 x 45	108		100		0341-0100	N3
250	60 x 60	136		100		0341-0250	N3
500	74 x 74	170		50		0341-0500	N3
1000	85 x 85	221		72		0341-1000	N3

Sealable wide-necked bottles

Sturdy bottle with sealing eyelets on the screw cap and the bottle. Particularly suited for sending samples. Seals provide increased sample authenticity. Easy to fill due to wide opening. Particularly suitable for viscous media, powder, granules and pastes.

- HDPE
- Leakproof
- Easy to fill due to wide-necked opening

Sealable wide-necked bottles

Capacity ml	Container dia. mm	Neck dia. inside mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
250	64	26,5	118		50		0322-0250	N3
500	78	40	147		50		0322-0500	N3
1000	100	50	186		50		0322-1000	N3
2000	120	50	230		50		0322-2000	N3

Accessories

Description	Price €	Item no.	
SampleSafe seal, red, 100 pieces		5399-2902	N4

Spray bottle with pump vaporizer

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Spray bottles with pump vapouriser and safety cap for the pump. Liquids can be finely vapourised at the push of a button in an environmentally compatible way. The transparent bottles make identification of contents easy. The protective cover prevents unintentional pressing of the pump and acts as a dust cover.

- Bottle made of HDPE, spray pump made of PP and stainless steel

Spray bottle with pump vaporizer

Capacity ml	Dia. mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.
20	28	85		100		0309-3002 N3
50	35	110		100		0309-3005 N3
100	37	161		100		0309-3100 N3
250	50	222		100		0309-3025 N3

Spray bottle

Pressureless spray bottle made of LDPE with long-life hand pump. The functioning of each individual sprayer is tested during manufacture.
Areas of application: Industry, laboratories, production, leisure, household. Suitable for agricultural pesticides and detergents.

- Media-contacting parts PP, PE and stainless steel
- Nozzle 0.6 mm diameter, nozzle steplessly adjustable
- Spray volume per stroke: 1.2 ml ± 0.1

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Spray bottle

Capacity ml	Height with cap mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.
250	220	18		180		0309-1025 N4
500	240	18		80		0309-1050 N4
1000	295	17,5		50		0309-1100 N4

Spray bottle Turn ‘n’ Spray | Spray bottle with overhead valve

- Uninterrupted spraying, even over your head
- Parts in contact with media made of PP, PE, silicon and stainless steel
- Nozzle diameter 0.6 mm, nozzle is continuously adjustable
- Amount sprayed per stroke: 1.2 ml ± 0.1

Spraying over your head is not possible with standard spray bottles. As soon as the suction tube is no longer immersed in liquid, you can’t spray any more.
No so with our overhead spray bottle Turn’n’Spray. It features a special technology that allows you to spray from any position. That means you can spray practically and conveniently from any direction and reach hard-to-access places easily and without straining.
The high-quality, refillable quality spray bottle can be used again and again.

Spray bottle Turn ‘n’ Spray

Capacity ml	Height with cap mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.
250	220	18		180		0309-0002 N4
500	240	18		80		0309-0005 N4
1000	295	17,5		50		0309-0010 N4

Pressure sprayer

Pressure sprayer, robust industrial quality for disinfection, cleaning, plant protection, thin layer chromatography, technical and sanitary use. The hand pump is used to produce a pressure of up to 4 bar in the container. Spraying can then take place by pressing a button.

- Media-contacting parts PP, PE, glass-fibre-reinforced PA, V2A, FKM
- Bottle made of HDPE
- Nozzle diameter 0.6 mm
- Adjustable spray jet
- Graduation up to 1500 ml
- Temperature max. 30 °C
- Spraying lance extension 30 cm available as accessory

Pressure sprayer

Capacity ml	Container dia. mm	Height with cap mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.	
1500	142	315	45		10		0309-0100	N4

Accessories

Description	Price €	Item no.	
Spraying lance extension for pressure sprayer, 30 cm		0309-0101	N4

Wash bottle

The swan-neck jet produces a fine, straight spray with no lateral spatter. Dangerous lateral spatter does not occur.

- LDPE
- Transparent
- Immersion tube can be pulled up

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Wash bottle

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
100	45	200		100		0310-0010	N3
250	61	225		100		0310-0025	N3
500	75	270		100		0310-0050	N3
1000	98	315		50		0310-0100	N3

Wide-necked wash bottle

Wash bottle with medium overprint as well as hazard and safety instructions (health statements/physical statements) based on the GHS system with substance name in German, English, French and Spanish, GHS pictograms and CAS number.

- Safe filling due to wide-necked opening 39 mm neck diameter
- LDPE yellow transparent with light protection
- Contents 500 ml

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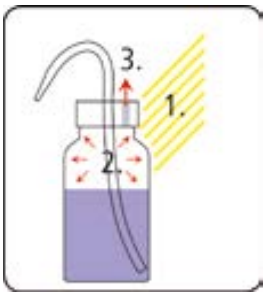
Wide-necked wash bottle						
Print	Colour	Price €	Quantity scale from	Scale price €	Item no.	
without label - neutral	yellow		100		0310-3050	N3
Distilled water	transparent		100		0310-3051	N3
Methanol	green		100		0310-3052	N3
Ethanol	orange		100		0310-3053	N3
Isopropanol	blue		100		0310-3054	N3
Acetone	red		100		0310-3055	N3

Safety wash bottle



The vapour-permeable membrane reliably prevents leaking of the contents.

If the room temperature increases, or the sun shines into the lab, conventional wash bottles will drip because of the increased inner pressure. The venting valve ensures that the excess pressure can escape and dripping is prevented. With leakproof venting valve, contents cannot leak when bottle has fallen over as with wash bottles with ball valve or venting hole.

- Safe filling due to wide-necked opening 39 mm neck diameter
- Permanent print according to GHS with substance name in German, English, French and Spanish, GHS pictograms and CAS number
- LDPE yellow transparent with light protection
- Contents 500 ml

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Safety wash bottle						
Print	Colour	Price €	Quantity scale from	Scale price €	Item no.	
without label - neutral	yellow		12		0310-2056	N3
Distilled water	transparent		12		0310-2050	N3
Methanol	green		12		0310-2052	N3
Ethanol	orange		12		0310-2054	N3
Isopropanol	blue		12		0310-2055	N3
Acetone	red		12		0310-2051	N3

Dropping bottles | for controlled dosing drop by drop

Dropping bottles are particularly suitable for liquids which must be dispensed in small amounts, drop by drop or as a fine jet.

- Cut off dropper tip before first use
- Can be reclosed using the captive cap provided
- LDPE
- Captive cap and dropper cap PE

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Dropping bottles

Capacity ml	Container dia. mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.
10	26	76	9	14		100		0306-0010 N3
20	32	88	9	14		100		0306-0020 N3
30	35	96	9	14		50		0306-0030 N3
50	40	116	13	18		50		0306-0050 N3
100	45	136	13	18		25		0306-0100 N3
250	61	170	18	25		25		0306-0250 N3
500	75	204	18	25		20		0306-0500 N3
1000	95	248	21	28		10		0306-1000 N3

Drop-Boy

Bottle with drop dispenser and separate screw cap.

- Cut off dropper tip before first use
- Reclosable
- Precise drop dosing

Drop-Boy

Capacity ml	Dia. mm	Height capless mm	Price €	Quantity scale from	Scale price €	Item no.
10	24	50		100		0307-0010 N3
25	31,3	64,5		100		0307-0025 N3
50	40	77		100		0307-0050 N3

UN-Bottle

This bottle reduces packaging costs! UN tested and approved. Bottle made of HDPE, leakproof, complete with PR tamper-evident closure with PTFE seal. The bottles are excellent for packaging purposes, sampling, sending samples, storage and shipping via the postal service.

- Absolutely leakproof
- With UN approval for liquids (see page 269)
- Transparent
- Bell-shaped caps with or without degassing on request

UN-Bottle

Capacity ml	Height capless mm	Neck dia. inside mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.	
500	177	29	1H1/X1.9/250		120		0304-0500	N3
1000	212	29	3H1/X1.9/250		64		0304-1000	N3
2500	282	29	3H1/X1.9/250		26		0304-2500	N3

Bottle carrier

Bottle carrier
For 6 bottles up to max. 95 mm Ø.

- PP
- Suitable for food

Bottle carrier box
For 8 bottles up to max. 95 mm Ø. With closed floor which can be used as spill trough.

- HDPE
- Inside measurements: Length 390 mm, width 110 mm

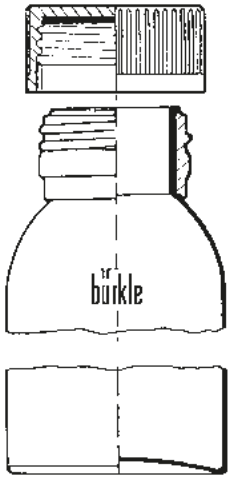
Bottle carrier

No. of bottles	Container dia. mm	Outer dimension of rim L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
6	95	310x210x305		10		0361-0006	N3

Bottle carrier box

No. of bottles	Container dia. mm	Outer dimension of rim L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
8	95	420x300x210		10		0361-0008	N3

Aluminium bottle | light, unbreakable, seamless



The aluminium bottle is particularly suited for storing, transport or sending substances and reference samples which have to be stored completely unaltered. Other properties: can be completely emptied without residues, odour-neutral, impervious to light, rustproof.

- Pure aluminium (material AL 99.5)
- With tamper-evident screw cap made of PP with aluminium inner seal
- Suitable for food
- With UN approval (for 60-1200 ml), see page 269

Aluminium bottle

Capacity ml	Dia. mm	Height with cap mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.
38	35	70	no		387		0327-0038 N3
60	40	88	1B1/X/250		304		0327-0060 N3
120	57	97	1B1/X/250		143		0327-0120 N3
300	57	160	1B1/X/250		149		0327-0300 N3
600	74	192	1B1/X/250		84		0327-0600 N3
1200	88	248	1B1/X/250		60		0327-1200 N3

Transport bottle aluminium UN | UN-approval for dangerous goods

The UN code is printed onto the bottles in black.

With tamper-evident screw cap made of PP with aluminium inner seal.

Aluminium transport bottles with screw cap close safely and tightly and are approved for packaging type I (X). The UN code is printed onto the bottles in black.

- Pure aluminium (material AL 99.5)
- UN approved (see page 269)
- With eyelets, sealable

Transport bottle aluminium UN

Capacity ml	Dia. mm	Height mm	UN approval	Price €	Quantity scale from	Scale price €	Item no.
125	50	105	1B1/X/250		10		0329-0125 N3
250	65	140	1B1/X/250		50		0329-0250 N3
500	80	145	1B1/X/250		30		0329-0500 N3
1250	100	205	1B1/X/250		45		0329-1250 N3

Tubes with screw cap

Shapely packing container with screw cap. Emptying without residues because there are no crevices, cost-effective.

- PP, white
- Sterilisable

Wide-necked boxes, round

Wide-necked containers with very good shatter resistance for convenient filling. Particularly suited for storing or shipping powders and granules.

- HDPE, transparent, shatterproof
- Screw lid made of PP with seal made of PE

Bulk prices

Tubes with screw cap						
Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.
12	25	31		100		6214-0012 N3
25	31	40		100		6214-0025 N3
60	41	56		100		6214-0060 N3
90	52	52		100		6214-0090 N3
125	52	67		100		6214-0125 N3
250	68	79		100		6214-0250 N3
625	90	113		70		6214-0600 N3
1000	102	129		80		6214-1000 N3

Wide-necked boxes, round							
Capacity ml	Dia. mm	Neck dia. inside mm	Height capless mm	Price €	Quantity scale from	Scale price €	Item no.
100	48	31	77		100		6282-0100 N3
250	65	41	98		100		6282-0250 N3
500	80	53	122		100		6282-0500 N3
750	94	53	130		108		6282-0750 N3
1000	100	67	153		75		6282-1000 N3
1500	114	67	173		48		6282-1500 N3
2000	126	67	192		40		6282-2000 N3

Wide-necked boxes, square shaped | clear or brown material

The wide opening of the container enables easy filling with liquid, powder or granules such as tablets, capsules, dyes, shipments of samples, specimens etc. Also suitable for gift packages and hobby articles. For light-sensitive material, brown transparent wide-necked containers are particularly suited.

- PETG crystal-clear
- PVC highly transparent or brown transparent
- Screw lid PP, black, seal made of PE

Wide-necked boxes, square shaped

Material	Capacity ml	Length mm	Width mm	Height with cap mm	Neck dia. inside mm	Price €	Quantity scale from	Scale price €	Item no.	
PETG crystal clear	50	38	38	63	23		162		0357-0050	N3
PETG crystal clear	100	46	46	75	31		80		0357-0100	N3
PETG crystal clear	200	59	59	91	41		100		0357-0200	N3
PETG crystal clear	500	80	80	111	54		100		0357-0500	N3
PETG crystal clear	1000	95	95	152	69		96		0357-1000	N3
PVC highly transparent	50	38	38	63	23		162		0355-0050	N3
PVC highly transparent	100	46	46	75	31		80		0355-0100	N3
PVC highly transparent	200	59	59	91	41		100		0355-0200	N3
PVC highly transparent	300	66	66	98	41		100		0355-0300	N3
PVC highly transparent	500	80	80	111	54		100		0355-0500	N3
PVC highly transparent	750	92	92	120	69		114		0355-0750	N3
PVC highly transparent	1000	95	95	152	69		96		0355-1000	N3
PVC highly transparent	2000	120	120	190	69		44		0355-2000	N3
PVC amber transparent	100	46	46	75	31		80		0356-0100	N3
PVC amber transparent	200	59	59	91	41		100		0356-0200	N3

All-purpose tubes with screw cap

Contents can be recognised easily due to the transparent sides. Emptying without residues.

- PP, transparent, screw lid PE
- No crevices

All-purpose tubes with screw cap; transparent

Capacity ml	Container dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
250	104	50		25		6202-0250	N3
500	104	100		14		6202-0500	N3
1000	126	126		12		6202-1000	N3

All-purpose boxes, square

Box for storing, packing, taking samples, sampling and transport of pastes, granules, powders, soil samples and frozen goods (-40°C up to briefly + 95°C). Ideal use of space, can be stacked. Complete with press-in lid.

- PE, transparent
- Can be deep frozen
- No crevices

All-purpose boxes, square shaped

Capacity ml	L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
500	103 x 103 x 64		20		6250-0500	N3
1000	103 x 103 x 127		16		6250-1000	N3
1000	208 x 103 x 64		18		6250-1001	N3
1500	208 x 103 x 94		20		6250-1500	N3
2000	208 x 208 x 64		20		6250-2000	N3
2000	255 x 103 x 94		20		6250-2300	N3
3200	208 x 208 x 94		14		6250-3300	N3

All-purpose boxes

All-purpose boxes, round

Capacity ml	Outer dia. bottom mm	Outer dia. top mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
250	60	78	90		60		6210-0250	N3
500	75	95	127		24		6210-0500	N3
1000	118	136	110		20		6210-1001	N3
2000	148	169	143		25		6210-2000	N3

Sample boxes, aseptic

Sample box with tightly closing sealing cover. The lid can be opened with one hand and its hinge angle is 90°. Liquid/condensate in the lid runs into an absorbing groove integrated in the lid, nothing is lost, nothing can drip. The box is completely tight, has no crevices, is therefore easy to fill and can be emptied without residues. The sample box is produced under aseptic conditions. It is autoclavable and suitable for deep freezing.

- PP, transparent
- Aseptic
- With area for labelling and graduation

Bulk prices

Sample boxes, aseptic

Capacity ml	Height mm	Dia. mm	Model	Price €	Quantity scale from	Scale price €	Item no.	
50	78	31	with labelling area and graduation		650		6206-0060	N3
90	80	43	with labelling area and graduation at 80 ml		350		6206-0100	N3
300	88	75	graduated		240		6206-0300	N3

Sample tubes aseptic, with seal

The sample boxes are manufactured in the cleanroom and sealed in the injection moulding machine at over 100°C, so that the insides of the boxes are virtually sterile. This method makes the boxes absolutely leakproof, as the cap and box adapt ideally to each other during the cooling process. No crevices, therefore easy to fill and can be emptied without residues. With tamper-evident seal which guarantees virtual sterility until the first opening. After opening, it can be sealed again with a practical seal.

- PP, transparent
- Aseptic
- With graduation
- Sterilisable

Sample tubes aseptic, with seal

Capacity ml	Height mm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
55	84	29		90		6207-0055	N3
340	119	63		90		6207-0340	N3

Sample container, round

Sample box with screw lid. Ideal for taking samples and transport. Available in two material qualities: highly transparent PP for powder, pastes, liquids, or PFA for super pure collection of samples. Emptying without residues because there are no crevices.

- PP or PFA autoclavable
- Thick sides
- Sample container PFA not suitable for food

Sample container, round

Material	Capacity ml	Inner dia. mm	Outer dia. mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
PP	60	35	50	93		10		6203-0060	N3
PP	180	50	65	119		10		6203-0180	N3
PFA	90	50	65	65		10		6205-0090	N3
PFA	180	50	65	119		10		6205-0180	N3

Sample beaker with cover

Sample beaker with liquid-tight red screw-on cover. The sample beakers are aseptic and suitable for use with food. The beakers can be autoclaved without the cover.

- PP beaker, LDPE cover
- Temperature resistance of beaker -20°C/+120°C, cover -80°C/+75°C
- Aseptic

SteriPlast® sampling tube

Sterile sampling tube with removable handle and tightly closing sealing cover. The lid can be opened with one hand and is then at a 90° angle. Liquid/condensate in the lid goes into an absorbing channel integrated into the lid, nothing is lost, nothing can drip.
The sterile sampling tube with a handle of 24 cm in length enables a clean sample to be placed directly in the sampling container. This mainly prevents cross-contamination.

- Polypropylene, blue transparent
- Sterile, packed separately

SteriPlast

Sample beaker with cover

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
125	52	74		380		7103-0125	N3

SteriPlast® sampling tube

Capacity ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
90	43	80		150		6206-0101	N3

Flachmann - the compact jerrycan | for more content on less shelf width

LaboPlast

Flachmann - the compact jerrycan

The compact jerrycan Flachmann is ideal as a space-saving canister with its width of 6.5 cm.
Different liquids can be stored and decanted in a small space. Flachmann can also be stored lying on its side e. g. in a refrigerator. It is very stable due to ribbed structure and thick sides.
Using the support stand for two or three canisters, any number of canisters can safely be placed in the open. The compact jerrycan can also be used as a settling canister.

Flachmann - the compact jerrycan | for more content on less shelf width

- With or without threaded connector 3/4"
- PP, transparent
- With tamper-proof closure
- Canister without valve autoclavable
- With moulded, indestructible litre graduation
- Canister support made of aluminium for secure stand as accessory
- Spigot StopCock with rotatable discharge angle and Compact spigot, which fits canisters equipped with glands with threads 3/4", available as accessory

Flachmann - the compact jerrycan

Model	Capacity l	Width mm	Depth mm	Height mm	Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
without threaded connector	5	65	335	335	41		10		0435-1050	N4
with threaded connector 3/4"	5	65	335	335	41		10		0435-2050	N4

Accessories

Description	Price €	Item no.	
① Support stand for two compact jerrycans		0435-9102	N4
① Support stand for three compact jerrycans		0435-9103	N4
② Venting valve in screw cap		0435-9200	N4
③ StopCock angled (see page 44)		0525-1000	N4
④ Compact spigot (see page 45)		0530-1000	N4
Closure cap 3/4"		0600-0090	N4
⑤ Set consisting of one compact jerrycan and one spigot Compact		0435-3000	N4
⑥ Set consisting of one compact jerrycan and one spigot StopCock		0435-0001	N4

Jerrycans

Canister for storage or transport. Canister with UN transport approval and tamper-evident seal.

- HDPE
- UN approval 3H1/X1.9/250 (see page 269)
- Screw lid with drain cock available as accessory

Bulk prices

Jerrycans

Capacity l	L x W x H mm	Weight g	Neck dia. inside mm	Thread	Colour	Price €	Quantity scale from	Scale price €	Item no.
5	190 x 145 x 251	250	40,5	DIN50	transparent		16		1427-0005 N3
10	230 x 190 x 310	450	40,5	DIN50	transparent		10		1427-0010 N3
20	290 x 246 x 385	950	48,5	DIN60	blue		6		1427-0020 N3
30	320 x 284 x 435	1250	48,5	DIN60	blue		6		1427-0030 N3

Accessories

Description	Price €	Item no.
Screw closure DIN50 with spigot for jerrycans		1427-9102 N3
Screw closure DIN60 with spigot for jerrycans		1427-9100 N3
Original screw cap DIN50		1427-9105 N3
Original screw cap DIN60		1427-9106 N3

Electrically conductive canister with UN approval

Canister made of electrically conductive HDPE for preventing ignition sources. The canisters are capable of diverting a charge (surface resistance $<10^9$ ohms) and can be earthed, which makes them suitable for use with flammable liquids.

- HDPE, capable of diverting a charge
- With carrying handle and screw cap
- With UN approval for transport (see page 269)
- Stackable

⚠ Note the "List of Chemical Resistance"!

Electrically conductive canister with UN approval

Capacity l	L x W x H mm	UN approval	Thread	Weight g	Price €	Quantity scale from	Scale price €	Item no.	
10	300 x 200 x 258	3H1/Y1.5/200	DIN 61	770		16		1428-0010	N4
20	300 x 200 x 495	3H1/Y1.5/150	DIN 61	1320		10		1428-0020	N4
30	364 x 240 x 455	3H1/Y1.5/150	DIN 61	1350		5		1428-0030	N4

Wide-necked jerrycans with/without threaded connector

Wide-necked canister with extremely wide filling opening (88 mm), easy to clean on the inside, which is particularly important when storing sensitive substances. Carrying handles and screw lid guarantee safe and convenient transport. The wide-necked canister can also be used as a settling canister. Via a threaded connector just above the base, a spigot or other accessories with an inner thread of 3/4" can be attached.

- HDPE, transparent
- UV stabilised
- Self-adhesive blue litre graduation and spigots available as accessory

Wide-necked jerrycans with/without threaded connector

Model	Capacity l	Width mm	Depth mm	Height mm	Ventilation dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
without threaded connector	5	130	290	280	18		6		0431-0005	N3
without threaded connector	10	137	310	400	18		5		0431-0010	N3
without threaded connector	20	165	365	485	-		3		0431-0020	N3
without threaded connector	30	240	365	485	-		2		0431-0030	N3
with threaded connector 3/4"	5	130	290	280	18		6		0431-1005	N3
with threaded connector 3/4"	10	137	310	400	18		5		0431-1010	N3
with threaded connector 3/4"	20	165	365	485	-		3		0431-1020	N3
with threaded connector 3/4"	30	240	365	485	-		2		0431-1030	N3

Accessories

Description	Price €	Item no.	
Graduation for wide-necked jerrycans 5 l		0431-9051	N3
Graduation for wide-necked jerrycans 10 l		0431-9011	N3
Graduation for wide-necked jerrycans 20 l		0431-9021	N3
Graduation for wide-necked jerrycans 30 l		0431-9031	N3
StopCock angled (see page 44)		0525-1000	N4
Compact spigot (see page 45)		0530-1000	N4
Closure cap 3/4"		0600-0090	N4

Storage bottles, with/without threaded connector

Robust storage bottle with particularly thick sides with sturdy carrying handle for safe transport and storage. Blue litre graduation printed on. The venting valve (accessory) lets air into the container in order to prevent a vacuum in the bottle. The canister can also be used as a settling canister. Via a threaded connector, a spigot or other accessories with an inner thread/cap nut of 3/4" can be attached.

- HDPE
- Bottle opening diameter 50 mm

Storage bottles, with/without threaded connector

Model	Capacity l	Container dia. mm	Height capless mm	Handles	Price €	Quantity scale from	Scale price €	Item no.
without threaded connector	5	167	330	1		11		0401-0005 N3
without threaded connector	10	206	427	1		6		0401-0010 N3
without threaded connector	25	278	580	2		5		0401-0025 N3
without threaded connector	60	346	830	2		4		0401-0060 N3
with threaded connector	5	167	330	1		11		0402-0005 N3
with threaded connector	10	206	427	1		6		0402-0010 N3
with threaded connector	25	278	580	2		5		0402-0025 N3
with threaded connector	60	346	830	2		4		0402-0060 N3

Accessories

Description	Price €	Item no.
Ventilation seal for storage bottles		0401-9100 N3
① StopCock angled (see page 44)		0525-1000 N4
② Compact spigot (see page 45)		0530-1000 N4

Wide-mouth containers with handle

Container with 2.3 l and 4.4 l contents and particularly wide opening. Therefore ideal for filling with bulk goods of all kinds. Products such as spices, tea, granulates can be packaged, stored or displayed as samples in these containers. Space-saving square shape.

- Safe handling with integral handle
- Transparent polyethylene provides good view of contents.
- Leakproof wide-necked lid
- 0317-2300 with tamper-evident screw cap made of blue PP, 0317-4400 with screw cap made of LDPE

Wide-mouth containers with handle

Capacity ml	L x W mm	Height with cap mm	Neck dia. inside mm	Thread dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
2300	135 x 135	192	68,5	80		36		0317-2300	N3
4400	142 x 142	263	109	120		52		0317-4400	N3

Universal storage containers

Practical storage containers with closed gripping edges for safe transport of pourable or liquid contents. Rounded inner edges and smooth inner surfaces for easy cleaning enable use in the foodstuffs/hygiene sector.

- HDPE, white
- Can be stacked

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Universal storage containers

Capacity l	Outer dimension of rim L x W x H mm	Inner dimension L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
29	660 x 450 x 130	600 x 400 x 120		10		3418-0129	N2
48	660 x 450 x 220	600 x 400 x 210		10		3418-0148	N2
94	660 x 450 x 410	600 x 400 x 400		10		3418-0194	N2

Accessories

Description	Price €	Item no.	
Lid for universal storage containers, PS white		3418-0001	N2

Storage and stacking containers

Stable storage containers made of durable PP with external reinforcement ribs.

- Temperature resistant from -40°C to +90°C
- According to Euro standards
- Lid and transport rollers available as accessory

Transport roller

Lids for storage and stacking containers

Storage and stacking containers

Capacity l	Outer dimension of rim L x W x H mm	Inner dimension L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.
11	400 x 300 x 120	367 x 267 x 116		10		3414-0111 N2
17	400 x 300 x 180	367 x 267 x 176		10		3414-0117 N2
23	400 x 300 x 220	367 x 267 x 216		10		3414-0120 N2
23	600 x 400 x 120	567 x 367 x 114		10		3414-0123 N2
38	600 x 400 x 180	567 x 367 x 176		10		3414-0138 N2
45	600 x 400 x 220	567 x 367 x 216		10		3414-0148 N2
64	600 x 400 x 320	567 x 367 x 316		10		3414-0164 N2
80	600 x 400 x 420	567 x 367 x 416		10		3414-0181 N2

Accessories

Description	Price €	Item no.
Lid for storage/stacking containers 400 x 300 mm		3414-0001 N2
Lid for storage/stacking containers 600 x 400 mm		3414-0002 N2

Transport trolley for containers

Model	Price €	Quantity scale from	Scale price €	Item no.
for 600 x 400 mm		10		3414-9900 N2

Tubs, round

Tub for every purpose, with strong edge and practical carrying handles for safe transport. A lid can be delivered for every tub.

- Tub made of HDPE
- Temperature resistant from -30° to +70°
- Suitable for food
- High degree of chemical resistance

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Tubs, round

Capacity l	Dia. top/below x H mm	Price €	Item no.	
40	370/330 x 440		3482-0040	N3
50	370/330 x 555		3482-0050	N3
75	460/400 x 535		3482-0075	N3
110	460/420 x 710		3482-0110	N3

Accessories

Description	Price €	Item no.	
Lids for tubs, round, for 370 mm dia.		3482-0401	N3
Lids for tubs, round, for 460 mm dia.		3482-0751	N3

Mixing/dosing container

The containers close completely tight. They have thick sides, they are seamless, impact resistant and stressfree sintered. The wide-necked opening enables safe filling.

- LDPE
- With 3/4" inner thread at the container base
- Opening Ø 150 mm
- Suitable for food

Mixing/dosing container

Capacity l	Dia. mm	Height mm	Division l	Price €	Item no.	
60	450	600	10		3460-0060	N2
100	465	850	10		3460-0100	N2
200	560	1020	20		3460-0200	N2
500	815	1140	50		3460-0500	N2

Disposal kegs, wide-mouth containers

The wide-necked container is approved for bulk goods. Used for disposal or storage. For liquids, powders or granules. Can be closed tightly and sealed.

- HDPE
- Temperature resistant from -20°C to + 80°C
- UN transport approval 1H2/X (see page 269)

Disposal kegs, wide-mouth containers

Capacity l	Container dia. mm	Height with cap mm	Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
3,6	198	171	136		10		1105-0003	N3
6	198	263	136		10		1105-0006	N3
10	274	238	203		10		1105-0010	N3
26	316	425	203		10		1105-0026	N3
34	338	449	295		10		1105-0033	N3

Accessories

Description	Price €	Item no.	
SampleSafe seal, red, 100 pieces		5399-2902	N4

Wide-mouth containers, HDPE

Storage or transport container made of HDPE. For liquids, powders or granules. Can be closed tightly.

⚠ Keep the container upright when transporting liquids!

Wide-mouth containers, HDPE

Capacity l	Container dia. mm	Height with cap mm	Opening dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
5	192	250	110		14		1406-1005	N3
10	232	325	110		6		1406-1010	N3

Containers, rectangular and round shaped

⚠ Depending on temperature and the expected contents, the rectangular containers may have to be strengthened with a frame. Kindly you ask us.

LaboPlast

Container for various applications. Produced seamlessly and stress-relieved with the LaboPlast® sintering method. The wall thickness increases downwardly. This guarantees optimum ratio of wall thickness to filling load. The containers are also colored black for UV-protection and are available in other wall thicknesses.
Custom-made, exchange excluded.

- L-LDPE (linear LDPE), transparent
- Rupture-proof

We will mount the container connector directly into the container for you. The thread connectors are possible anywhere. Please state the exact position on the container, if applicable.

Container thread

Model	Thread	Price €	Item no.
Container thread	3/4"		3440-0034 N2

Accessories

Description	Price €	Item no.
StopCock angled (see page 44)		0525-1000 N4
Compact spigot (see page 45)		0530-1000 N4

Containers, rectangular

Capacity l	Inner dimension L x W x H mm	Wall thickness mm	Price €	Item no.	
13	220 x 220 x 410	5		3440-0135	N2
23	540 x 370 x 130	5		3440-0235	N2
40	390 x 190 x 620	5		3440-0405	N2
45	600 x 600 x 165	5		3440-0455	N2
48	400 x 400 x 300	5		3440-0485	N2
50	1000 x 320 x 160	5		3440-0505	N2
56	315 x 315 x 635	5		3440-0565	N2
70	460 x 310 x 570	5		3440-0705	N2
85	600 x 340 x 480	5		3440-0855	N2
90	600 x 400 x 410	6		3440-0906	N2
100	780 x 460 x 320	6		3440-1006	N2
115	500 x 400 x 600	6		3440-1156	N2
118	600 x 250 x 820	6		3440-1186	N2
130	710 x 330 x 560	6		3440-1306	N2
150	600 x 400 x 630	6		3440-1506	N2
155	600 x 500 x 560	6		3440-1556	N2
165	780 x 500 x 420	6		3440-1656	N2
190	600 x 400 x 800	6		3440-1906	N2
250	1000 x 600 x 450	6		3440-2506	N2
260	800 x 600 x 600	7		3440-2607	N2
285	600 x 600 x 820	7		3440-2857	N2
320	1000 x 400 x 800	7		3440-3207	N2
400	860 x 560 x 840	7		3440-4007	N2

Containers, round shaped

Capacity l	Inner dia. mm	Height mm	Wall thickness mm	Price €	Item no.	
14	245	325	5		3490-0144	N2
25	310	390	5		3490-0254	N2
30	310	430	5		3490-0305	N2
35	320	530	5		3490-0355	N2
50	410	480	5		3490-0505	N2
55	310	915	5		3490-0555	N2
60	410	530	5		3490-0605	N2
80	430	590	5		3490-0805	N2
85	390	710	5		3490-0855	N2
100	470	680	5		3490-1005	N2
110	540	540	6		3490-1106	N2
120	470	720	6		3490-1206	N2
145	600	510	6		3490-1456	N2
150	550	730	6		3490-1506	N2
160	460	1020	6		3490-1606	N2
180	540	820	6		3490-1806	N2
200	560	840	6		3490-2006	N2
205	800	440	6		3490-2056	N2
210	540	950	6		3490-2106	N2
250	550	1040	6		3490-2506	N2
290	740	770	6		3490-2906	N2
300	690	830	6		3490-3006	N2
400	760	1050	6		3490-4006	N2
850	970	1170	7		3490-8507	N2

Lid for containers, rectangular

Model	Price €	Item no.	
for 13 l container		3440-0131	N2
for 23 l container		3440-0231	N2
for 40 l container		3440-0401	N2
for 45 l container		3440-0451	N2
for 48 l container		3440-0481	N2
for 50 l container		3440-0501	N2
for 56 l container		3440-0561	N2
for 70 l container		3440-0701	N2
for 85 l container		3440-0851	N2
for 90 l container		3440-0901	N2
for 100 l container		3440-1001	N2
for 118 l container		3440-1181	N2
for 130 l container		3440-1301	N2
for 150 l container		3440-1501	N2
for 155 l container		3440-1551	N2
for 165 l container		3440-1651	N2
for 190 l container		3440-1901	N2
for 250 l container		3440-2501	N2
for 260 l container		3440-2601	N2
for 285 l container		3440-2851	N2
for 320 l container		3440-3201	N2
for 400 l container		3440-4001	N2

Lid for containers, round shaped

Model	Price €	Item no.	
for 14 l container		3490-0141	N2
for 25 l container		3490-0251	N2
for 30 l container		3490-0301	N2
for 35 l container		3490-0351	N2
for 50 l container		3490-0501	N2
for 55 l container		3490-0551	N2
for 60 l container		3490-0601	N2
for 80 l container		3490-0801	N2
for 85 l container		3490-0851	N2
for 100 l container		3490-1001	N2
for 110 l container		3490-1101	N2
for 120 l container		3490-1201	N2
for 145 l container		3490-1451	N2
for 150 l container		3490-1501	N2
for 160 l container		3490-1601	N2
for 180 l container		3490-1801	N2
for 200 l container		3490-2001	N2
for 205 l container		3490-2051	N2
for 210 l container		3490-2101	N2
for 250 l container		3490-2501	N2
for 290 l container		3490-2901	N2
for 300 l container		3490-3001	N2
for 400 l container		3490-4001	N2
for 850 l container		3490-8501	N2

Safety jerrycans stainless steel

- 0.8 mm sides
- Handles made of solid stainless steel
- Closure thread 1 1/2"
- Seals made of PTFE
- Accredited for UN-transports according to ADR, RID,IMDG Code, ICAO-TI, GGVSEB, GGVSee

Safety canister for transport and storage made of stainless steel AISI 316 Ti (1.4571) for 5 l and 10 l canisters and AISI 304 (1.4301) for 20 l canisters. Protection from exploding through flame protection and excess pressure valve. The containers have a high degree of chemical resistance and they save space.
In canisters with excess pressure valve, pressure balance takes place from about 0.3 bar.
Safety canister with self-closing fine dosage spout 20 l: with separate ventilation. Canisters with a venting screw enable manual air supply when used or manual pressure balance during storage.

Safety cans stainless steel

- Stainless steel AISI 316 Ti (1.4571), 0.6 mm thickness
- Seals made of PTFE
- Handle made of powder-surfaced aluminium
- Closure thread 1¼"

For safe metering and handling of smaller amounts of flammable liquids. Protection from exploding through flame protection and excess pressure valve, the containers have a high degree of chemical resistance.
Can with removable flame protection in the filling connector and excess pressure valve in the self-closing fine dosage spout (pressure balance from about 0.3 bar).

Safety jerrycans stainless steel

2 weeks

Model	Capacity l	Purpose	L x W x H mm	UN approval	Price €	Item no.
with screw cap without pressure-relief valve	10	transport	280 x 130 x 380	3A1/X1.6/300		2601-7010 N2
with screw cap and pressure-relief valve	5	storage	200 x 130 x 310	no		2601-3005 N2
with screw cap and pressure-relief valve	10	storage	280 x 130 x 380	no		2601-3010 N2
with screw cap and pressure-relief valve	20	storage	345 x 175 x 470	no		2601-3020 N2
with fine dosage spout incl. pressure-relief valve	10	storage/transfer	280 x 130 x 380	no		2601-2010 N2
with fine dosage spout, pressure-relief valve, ventilation	20	storage/transfer	345 x 175 x 470	no		2601-2020 N2

Safety cans stainless steel

2 weeks

Capacity l	Dia. mm	Height mm	Purpose	UN approval	Price €	Item no.
1	111	235	storage/transfer	no		2601-1001 N2
2	131	295	storage/transfer	no		2601-1002 N2
5	165	400	storage/transfer	no		2601-1005 N2

Safety storage container stainless steel

Safety containers for transport and storage made of high-quality stainless steel AISI 304 (1.4301) / AISI 316 Ti (1.4571) with thickness of sides of 0.8 mm (10 l), 1.2 mm (25 l) and 1.5 mm (50 l). The 25 l container can be stacked.
Protection from exploding through flame protection and excess pressure valve, seals made of PTFE, the containers have a high degree of chemical resistance.
In safety containers with excess pressure valve, pressure balance takes place from about 0.3 bar.
For containers with self-closing tap, constant ventilation can be set via a plastic lever on the screw cap.
The contents display made of perfluoroalkoxy copolymers (PFA) enables a visual contents check when filling and emptying.

- Accredited for UN-transports according to ADR, RID,IMDG Code, ICAO-TI, GGVSEB, GGVSee

① ② ③ ④ ⑤

Safety storage container stainless steel

Model	Capacity l	Purpose	Height mm	Thread	Dia. mm	UN approval	Thread, outflowing side	Price €	Item no.
① with screw cap, without pressure-relief valve	25	transport/storage	530	1 1/2″	300	1A1/X1.6/400	-		2601-5125 N2
② with screw cap and pressure-relief valve	50	storage	600	G 2″	380	no	-		2601-5050 N2
③ with tab and pressure-relief valve	10	storage/transfer	350	1 1/2″	260	no	3/4″		2601-4010 N2
④ with tab and pressure-relief valve	25	storage/transfer	530	1 1/2″	300	no	3/4″		2601-4025 N2
⑤ with tab, pressure-relief valve and level indicator	10	storage/transfer	350	1 1/2″	260	no	3/4″		2601-6010 N2

Packaging bucket

Packaging bucket for transport, packaging and storing of various materials. Suitable for the food or building material industries and non-aggressive chemicals in environmental protection, hospitals and the household. With strong handle. Quality closure on the bucket for product safety.

- PP, white
- Air-tight closure
- Complete with lid
- With advertising printing in large quantities on request

Bulk prices

Packaging bucket

Capacity l	Dia. top mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
1	132	131		100		2327-0001	N3
2	175	132		80		2327-0020	N3
3	225	123		45		2327-0030	N3
5	225	194		36		2327-0050	N3
10	268	263		25		2327-0010	N3

Packaging bags with closure

Bags with the "zipper" closure for storing, collecting, protecting and shipping of specimens, samples and sales products. Contents remain dust-free. The film is waterproof and has good tear resistance.

- LDPE, crystal-clear
- 0.05 mm strong film

Bulk prices

Packaging bags with closure

L x W mm	Volume ml	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
100 x 70	80	100		10		2348-0002	N3
130 x 60	100	100		10		2348-0001	N3
120 x 80	140	100		10		2348-0003	N3
150 x 100	300	100		10		2348-0004	N3
170 x 120	400	100		10		2348-0005	N3
220 x 160	1000	100		10		2348-0006	N3
250 x 180	1500	100		10		2348-0007	N3
300 x 200	2500	100		10		2348-0008	N3
350 x 250	4500	100		10		2348-0009	N3
400 x 300	6500	100		10		2348-0010	N3

SteriBag StandUp sample bag

SteriBag StandUp is a sterile sample bag with a stand-up base. The special bottom unfolds as soon as the bag is filled. This makes SteriBag StandUp stable and able to stand on its own without a separate stand or support, leaving both your hands free to take the sample and fill the bag. The wire bracket at the closure keeps the bag open, making it easy and convenient to fill.

The sample bag is the ideal space-saving, unbreakable, inexpensive and sterile replacement for bottles and beakers.

Can be used for samples available as liquids, powders, solids and pastes; suitable for foods and can be frozen.

The stable standing SteriBag StandUp sample bag is easy and safe to transport.

SteriBag StandUp, the sample bag for easy handling of samples.

Bulk prices

SteriBag StandUp sample bag

Capacity ml	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
400	229 x 114	500		5		5344-0400	N3
600	229 x 152	500		5		5344-0600	N3

Sampling bag SteriBag

The sterilised sampling bag SteriBag for samples in chemistry, pharmaceuticals, medicine, veterinary science and foodstuffs etc.
The bags are made of polyethylene and are therefore exceptionally tearproof and leakproof. See page 132.

Sampling bag SteriBag

Capacity ml	Model	L x W mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
60	without labelling area	127 x 76	500		6		5344-0060	N3
60	with labelling area	127 x 76	500		6		5344-0061	N3
150	without labelling area	178 x 76	500		6		5344-0180	N3
150	with labelling area	178 x 76	500		6		5344-0181	N3
450	without labelling area	229 x 114	500		6		5344-0540	N3
450	with labelling area	229 x 114	500		6		5344-0541	N3
650	without labelling area	229 x 140	500		6		5344-0720	N3
650	with labelling area	229 x 140	500		6		5344-0721	N3
900	without labelling area	305 x 114	500		6		5344-0810	N3
900	with labelling area	305 x 114	500		6		5344-0811	N3
1650	without labelling area	305 x 178	250		12		5344-1650	N3
1650	with labelling area	305 x 178	250		12		5344-1651	N3

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Industrial & laboratory equipment

Connectors, fittings, funnels, measuring

All-purpose trays | hygienic, easy to clean

The laboratory trays are practical all-purpose trays that can be nested when empty, also durable, shatter-proof and resist flexing. The trays have a strong, rounded rim.
Suitable as a spill trough for environmentally dangerous, aggressive substances, for experiments, as an etching tray, as an instrument holder, a medicine tray, a photographic development basin, a goods presentation tray and a display tray for foodstuffs.

- PP, white
- Manufactured using the injection moulding process, not by deep drawing
- Trays can be nested
- Tray not suitable for temperature controlled cupboards or dishwashers
- Temperature resistent up to +60 °C (briefly up to +80 °C)

LaboPlast

Laboratory trays / spill troughs separate

Capacity l	Inner dimension of base L x W mm	Outer dimension of base L x W mm	Outer dimension of rim L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.
0.5	130 x 180	140 x 190	180 x 230 x 42		10		4201-1318 N4
1.5	180 x 240	190 x 250	250 x 310 x 65		10		4201-1824 N4
3.0	240 x 300	250 x 310	310 x 370 x 75		10		4201-2430 N4
10	300 x 400	310 x 410	420 x 520 x 120		10		4201-3040 N4
21	400 x 500	430 x 530	534 x 634 x 140		5		4201-4050 N4
39	500 x 700	520 x 720	648 x 846 x 160		5		4201-5070 N4

Accessories

Description	Price €	Item no.
Laboratory trays / spill troughs set - 4 piece set		4201-0095 N4
Laboratory trays / spill troughs set - 6 piece set		4201-0100 N4

Laboratory trays / spill troughs set

Laboratory trays / Spill troughs in a beneficial set

Laboratory tray set of 4 with one tray each:
- 0.5 l (L x W x H 180 x 230 x 42 mm)
- 1.5 l (L x W x H 250 x 310 x 65 mm)
- 3.0 l (L x W x H 310 x 370 x 75 mm)
- 10.0 l (L x W x H 420 x 520 x 120 mm)

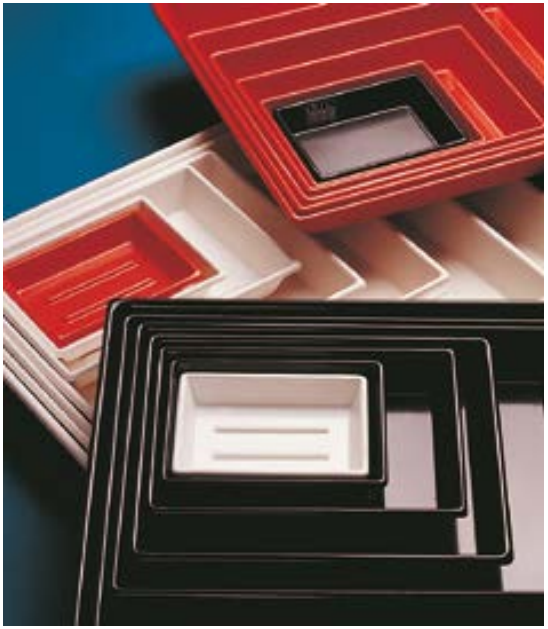
Laboratory tray set of 6 with one tray each:
- 0.5 l (L x W x H 180 x 230 x 42 mm)
- 1.5 l (L x W x H 250 x 310 x 65 mm)
- 3.0 l (L x W x H 310 x 370 x 75 mm)
- 10.0 l (L x W x H 420 x 520 x 120 mm)
- 21.0 l (L x W x H 534 x 634 x 140 mm)
- 39.0 l (L x W x H 648 x 846 x 160 mm)

LaboPlast

Laboratory trays / spill troughs set

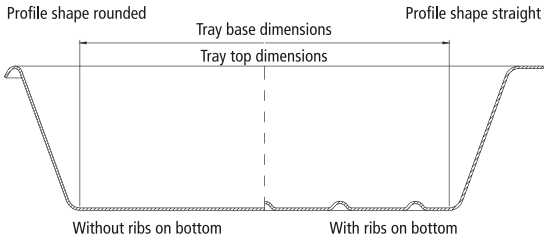
Model	Capacity l	Price €	Quantity scale from	Scale price €	Item no.
4 piece set	0.5 – 10		10		4201-0095 N4
6 piece set	0.5 – 39		10		4201-0100 N4

Photographic trays | in a variety of colours and sizes



- PVC
- Thick sides, shatterproof
- Largely resistant to acids and alkalis
- Not suitable for temperature controlled cupboards or dishwashers
- Temperature resistant from -30 °C up to +60 °C max.

These photographic trays made of PVC are available in a variety of shapes and colours. Available in shallow or deep models, with or without ribs on the base, in 3 attractive, high-gloss colours: white, red and black. The model with ribs on the base is especially well suited as a film development tray. The raised ribs prevent photographic paper from sticking to the base of the tray. Liquid can be poured out easily from the tray edges. The model without ribs on the base is suited for universal laboratory or storage purposes. Important: the photographic trays are made of high-quality PVC.



LaboPlast

Photographic trays | in a variety of colours and sizes

Photographic trays, shallow form with ribs on bottom, profile shape rounded

Colour	Inner dimension of base L x W mm	Outer dimension of rim L x W mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
white	140 x 190	180 x 230	40		5		4202-1013	N4
white	190 x 260	240 x 320	50		5		4202-1018	N4
white	260 x 320	320 x 370	50		5		4202-1024	N4
white	310 x 410	370 x 470	60		5		4202-1030	N4
white	420 x 510	480 x 580	60		5		4202-1040	N4
white	510 x 610	590 x 680	70		5		4202-1050	N4
red	140 x 190	180 x 230	40		5		4202-2013	N4
red	190 x 260	240 x 320	50		5		4202-2018	N4
red	260 x 320	320 x 370	50		5		4202-2024	N4
red	420 x 510	480 x 580	60		5		4202-2040	N4
red	510 x 610	590 x 680	70		5		4202-2050	N4
black	190 x 260	240 x 320	50		5		4202-3018	N4
black	260 x 320	320 x 370	50		5		4202-3024	N4

Photographic trays, deep form with ribs on bottom

Colour	Inner dimension of base L x W mm	Outer dimension of rim L x W mm	Height mm	Profile shape	Price €	Quantity scale from	Scale price €	Item no.	
white	310 x 410	430 x 530	105	straight		5		4206-1030	N4
white	420 x 510	520 x 610	110	straight		5		4206-1040	N4
white	510 x 610	630 x 730	110	straight		5		4206-1050	N4
red	310 x 410	430 x 530	105	straight		5		4206-2030	N4
red	420 x 510	520 x 610	110	straight		5		4206-2040	N4
black	420 x 510	520 x 610	110	straight		5		4206-3040	N4
black	510 x 610	630 x 730	110	straight		5		4206-3050	N4

Photographic trays, shallow form without ribs on bottom, profile shape rounded

Colour	Inner dimension of base L x W mm	Outer dimension of rim L x W mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
white	110 x 160	150 x 200	30		5		4203-1010	N4
white	140 x 190	180 x 230	40		5		4203-1013	N4
white	190 x 260	240 x 320	50		5		4203-1018	N4
white	260 x 320	320 x 370	50		5		4203-1024	N4
white	310 x 410	370 x 470	60		5		4203-1030	N4
white	420 x 510	480 x 580	60		5		4203-1040	N4
white	510 x 610	590 x 680	70		5		4203-1050	N4
red	110 x 160	150 x 200	30		5		4203-2010	N4
red	140 x 190	180 x 230	40		5		4203-2013	N4
red	190 x 260	240 x 320	50		5		4203-2018	N4
red	260 x 320	320 x 370	50		5		4203-2024	N4
red	310 x 410	370 x 470	60		5		4203-2030	N4
red	510 x 610	590 x 680	70		5		4203-2050	N4
black	110 x 160	150 x 200	30		5		4203-3010	N4
black	140 x 190	180 x 230	40		5		4203-3013	N4
black	190 x 260	240 x 320	50		5		4203-3018	N4
black	260 x 320	320 x 370	50		5		4203-3024	N4
black	310 x 410	370 x 470	60		5		4203-3030	N4
black	510 x 610	590 x 680	70		5		4203-3050	N4

Photographic trays, deep form without ribs on bottom

Colour	Inner dimension of base L x W mm	Outer dimension of rim L x W mm	Height mm	Profile shape	Price €	Quantity scale from	Scale price €	Item no.	
white	190 x 260	260 x 340	85	rounded		5		4207-1018	N4
white	260 x 320	330 x 390	100	rounded		5		4207-1024	N4
white	310 x 410	430 x 530	105	straight		5		4207-1030	N4
white	420 x 510	520 x 610	110	straight		5		4207-1040	N4
white	510 x 610	630 x 730	110	straight		5		4207-1050	N4
red	190 x 260	260 x 340	85	rounded		5		4207-2018	N4
red	260 x 320	330 x 390	100	rounded		5		4207-2024	N4
red	310 x 410	430 x 530	105	straight		5		4207-2030	N4
red	420 x 510	520 x 610	110	straight		5		4207-2040	N4
red	510 x 610	630 x 730	110	straight		5		4207-2050	N4
black	310 x 410	430 x 530	105	straight		5		4207-3030	N4
black	420 x 510	520 x 610	110	straight		5		4207-3040	N4
black	510 x 610	630 x 730	110	straight		5		4207-3050	N4

Instrument trays

Trays for various uses: in laboratories, doctors' surgeries, hospitals, pharmacies, the foodstuffs industry – wherever there is a need for clean storage of instruments, equipment, goods and precision parts.

- Melamine, white
- Tray without lid, autoclavable
- Lid available as accessory

Instrument trays

Capacity ml	L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
500	210 x 110 x 35		5		4230-2050	N3
700	190 x 150 x 40		5		4230-2070	N3
1000	290 x 160 x 35		5		4230-2100	N3
1800	290 x 160 x 60		5		4230-2180	N3
2300	350 x 250 x 40		5		4230-2230	N3
5500	350 x 250 x 100		5		4230-2550	N3

Accessories

Description	Price €	Item no.	
Lids for instrument trays 500 ml, PS crystal clear		4230-2051	N3
Lids for instrument trays 700 ml, PS crystal clear		4230-2071	N3
Lids for instrument trays 1000/1800 ml, PS crystal clear		4230-2101	N3
Lids for instrument trays 2300/5500 ml, PS crystal clear		4230-2231	N3

Instrument servers

Servers for various uses - wherever there is a need for clean storage of instruments, equipment, goods and precision parts.

- Melamine, white

Instrument servers

L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
190 x 150 x 17		10		4230-3019	N3
240 x 180 x 17		10		4230-3024	N3
268 x 208 x 17		10		4230-3027	N3
355 x 240 x 17		10		4230-3036	N3
428 x 288 x 17		5		4230-3043	N3

Bowls sterilisable

Particularly stable bowl, with wide holding edge, can be stacked, substances which solidify in the bowl can easily be removed.

- PP, white
- Sterilisable up to +121°C

Bowls sterilisable

Capacity l	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
0.9	160	70		5		4702-0008	N3
1.7	200	80		5		4702-0017	N3
2.9	240	100		5		4702-0028	N3
4.3	280	120		5		4702-0045	N3
6.6	320	130		3		4702-0065	N3
13.4	400	180		3		4702-0013	N3

Four-sided bucket

Bucket for transporting bulky goods. Saves space, sturdy, easy to carry, available with lid.

- PE, transparent
- Graduation 500 ml, up to 12 l
- With sturdy handle made of PE
- Contents right to the top 14 l

Four-sided bucket

Capacity l	L x W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
14	280 x 280 x 290		10		2350-0140	N3

Accessories

Description	Price €	Item no.	
Lid for four-sided bucket		2350-0141	N3

Bucket made of PP

Bucket for transporting, decanting and mixing. Safe emptying with wide spout. Sturdy handle made of PP.

- PP, transparent
- With contents scale, graduation 1000 ml
- With spout
- Sterilisable

Bucket made of PP

Capacity l	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
12	310	330		10		2306-1012	N3
15	310	370		10		2306-1015	N3

Laboratory bucket

Laboratory bucket for transporting, decanting and mixing. Safe emptying with wide spout. Handle made of metal.

- PE, white
- With contents scale, graduation 1000 ml
- With spout

Capacity l	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.
10	290	280		10		2306-0010 N3
15	320	340		10		2306-0015 N3

Industrial bucket with metal handle

Industrial bucket for transporting, decanting and mixing. Safe emptying with wide spout. Handle made of metal.

- LLDPE, white
- With litre scale, graduation 1000 ml
- With spout

Capacity l	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.
9	280	250		10		2308-0900 N3
12	300	280		10		2308-1200 N3
17	340	310		10		2308-1700 N3

Bucket HDPE

For transporting, decanting and mixing. Wide spout gives rapid but safe emptying. With plastic handle.

- HDPE, white or black
- With litre scale, graduation 1000 ml
- With spout
- Bucket HDPE black, not suitable for food

Packaging bucket

Packaging bucket for transport, packaging and storing of various materials. Suitable for the food or building material industries and non-aggressive chemicals in environmental protection, hospitals and the household. With strong handle. Quality closure on the bucket for product safety.

- PP, white
- Air-tight closure
- Complete with lid
- With advertising printing in large quantities on request

Bulk prices

Bucket HDPE

Capacity l	Colour	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
10,5	black	286	289		10		2307-0010	N3
10,5	white	286	283		10		2307-0011	N3
17	black	330	315		10		2307-0017	N3
17	white	330	315		10		2307-0018	N3

Packaging bucket

Capacity l	Dia. top mm	Height with cap mm	Price €	Quantity scale from	Scale price €	Item no.	
1	132	131		100		2327-0001	N3
2	175	132		80		2327-0020	N3
3	225	123		45		2327-0030	N3
5	225	194		36		2327-0050	N3
10	268	263		25		2327-0010	N3

Funnels | transparent, available in many different sizes

All-purpose funnels with suspension eyelet for safe filling of containers.

General purpose funnels PP/PE

Outer dia. mm	Outlet dia. mm	Material	Price €	Quantity scale from	Scale price €	Item no.	
40	5	PP		24		9602-0040	N3
60	8	PE		12		9602-0060	N3
80	11	PE		12		9602-0080	N3
100	10	PP		12		9602-0100	N3
120	13	PP		12		9602-0120	N3
140	16	PE		12		9602-0140	N3
160	18	PE		12		9602-0160	N3

Barrel funnels PP/PE

Outer dia. mm	Outlet dia. mm	Material	Price €	Quantity scale from	Scale price €	Item no.	
200	22	PP		6		9602-0200	N3
250	30	PP		6		9602-0250	N3
350	35	PP		5		9602-0350	N3
400	42	PE		5		9602-0400	N3
430	37	PE		5		9602-0450	N3

Accessories

Description	Price €	Item no.	
Sieve for barrel funnels 200/250 mm		9602-0251	N3

Powder funnels PP/PE

Powder funnel for safe filling of containers. 9606-0240 with fine sieve made of phosphor-bronze (not for use with foodstuffs).

Powder funnels PP/PE

Outer dia. mm	Outlet dia. mm	Material	Price €	Quantity scale from	Scale price €	Item no.	
80	21	PP		10		9606-0080	N3
100	22	PP		10		9606-0100	N3
150	28	PP		5		9606-0150	N3
253	50	PE		10		9606-0240	N3
350	65	PP		5		9606-0350	N3

Funnel stands

Sturdy and stable funnel stand, resistant to chemicals, shatter-proof and with continuously variable height adjustment.
The funnel stand is suitable for all funnels from 40 to 180 mm in diameter. The funnel holders can be used with reducing inserts for small funnels.
The funnel stand also makes an excellent filtering stand.
Thanks to an innovative magnet concept no clamping screws are necessary. The height of the funnel holder can be adjusted easily and flexibly with one hand.
The laboratory stand can be flexibly adapted with corresponding accessories, for example with adjustment funnel holders or a holder for Imhoff funnels (see page 214). The funnel stand can also be converted into a pipette stand (see page 227).

- PP, chrome-plated steel
- Continuously variable height adjustment with innovative magnet concept
- Adjustable height up to 450 mm
- For funnels Ø 40 - 180 mm
- Additional funnel holders are available as accessories

Funnel stand with two funnel holders and two reducing inserts. Space-saving design with two practical storage areas.

Funnel stand with four funnel holders and four reducing inserts. A very sturdy pedestal provides a storage area for four containers and ensures absolute safety against overturning.

Funnel stand for two funnels

Price €	Quantity scale from	Scale price €	Item no.	
	5		9622-0200	N4

Accessories

Description	Price €	Item no.	
Funnel holder with reducing insert, for funnels Ø 40-180 mm		9622-0001	N4
Sedimentation funnel holder for Imhoff funnels from Ø 90 mm		7118-2001	N4

Funnel stand for four funnels

Price €	Quantity scale from	Scale price €	Item no.	
	5		9622-0400	N4

Accessories

Description	Price €	Item no.	
Funnel holder with reducing insert, for funnels Ø 40-180 mm		9622-0001	N4
Sedimentation funnel holder for Imhoff funnels from Ø 90 mm		7118-2001	N4
Replacement set for pipette stand, two perforated plates/one drip pan		9630-0100	N4

Sedimentation funnel

The stand for sedimentation funnels is used to keep, hold or store Imhoff funnels safely and reliably during sedimentation. Two funnel holders ensure that Imhoff funnels will be held safely and securely and can be placed in an absolutely vertical position.

Stand with two holders for sedimentation funnels, suitable for funnels 90 mm or more in diameter.

Thanks to an innovative magnet concept no clamping screws are necessary. The height of the funnel holder can be adjusted easily and flexibly with one hand.

With the corresponding accessory the holders for Imhoff funnels can also be replaced by holders for all-purpose funnels (see page 213).

- Stand for Imhoff funnel
- PP, chrome-plated steel
- Adjustable height up to 450 mm
- For funnels with Ø 90 mm or more

① Stand for Imhoff sedimentation funnel

Price €	Quantity scale from	Scale price €	Item no.	
	3		7118-2000	N4

Accessories

Description	Price €	Item no.	
Funnel holder with reducing insert, for funnels Ø 40-180 mm		9622-0001	N4

② Sedimentation funnel

Model	Price €	Quantity scale from	Scale price €	Item no.	
Funnel, single		3		7118-1000	N3

Safety funnel

Safety funnel for filling containers easily. With overflow protection.

- made of stainless steel V2A
- Flame block
- Connector 2" fine thread NPT
- Discharge pipe Ø 3.5 cm

Safety funnel stainless steel

Price €	Item no.	
	2601-9900	N2

Graduated beakers with handle

Graduated beakers with handle, transparent graduation

Graduated beakers with handle, blue graduation

Graduated beakers made of PP are virtually indestructible and highly transparent.
Graduated beakers are perfectly suited as advertising means for chemical products. The smooth surface enables print of a logo or an advertising slogan.

- PP, transparent
- With indestructible graduation

Graduated beakers with handle, blue graduation

Capacity ml	Dia. top mm	Dia. bottom mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
100	50	40	80		24		7104-0100	N3
250	70	50	120		12		7104-0250	N3
500	91	75	140		12		7104-0500	N3
1000	116	95	181		6		7104-1000	N3
2000	150	125	213		6		7104-2000	N3
3000	170	120	242		6		7104-3000	N3
5000	210	160	270		6		7104-5000	N3

Graduated beakers with handle, transparent graduation

Capacity ml	Dia. top mm	Dia. bottom mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
100	50	40	80		24		7102-0100	N3
250	70	50	120		12		7102-0250	N3
500	91	75	140		12		7102-0500	N3
1000	116	95	181		6		7102-1000	N3
2000	150	125	213		6		7102-2000	N3
3000	170	120	242		6		7102-3000	N3
5000	210	160	270		6		7102-5000	N3

Laboratory beakers/Griffin beakers, PP

Laboratory beakers according to DIN 12331 and ISO 7056 (Glass) for various uses. When bought in bulk, individual print is possible.

- PP, highly transparent
- Blue graduation printed on
- Shatterproof
- Autoclavable

Laboratory beakers/Griffin beakers, PP

Capacity ml	Division ml	Scaling from ml	Dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
25	1	5	34	49		12		7122-0025	N3
50	5	10	43	60		12		7122-0050	N3
100	5	10	51	72		12		7122-0100	N3
150	5	10	58	82		12		7122-0150	N3
250	5	20	70	95		6		7122-0250	N3
400	10	20	80	110		6		7122-0400	N3
500	50	50	94	118		6		7122-0500	N3
600	25	50	93	125		12		7122-0600	N3
1000	50	100	108	148		6		7122-1000	N3
2000	100	200	140	188		6		7122-2000	N3
3000	250	500	170	212		4		7122-3000	N3
5000	500	500	203	247		4		7122-5000	N3

Graduated beakers, stackable

Graduated beaker with graduation printed in black, open handle, conical. Beakers can be stacked and therefore save space during storage.

- PP, transparent
- Sterilisable
- Shatterproof
- Good chemical resistance

Graduated beakers, stackable

Capacity ml	Division ml	Height mm	Dia. top mm	Price €	Quantity scale from	Scale price €	Item no.	
1000	10	167	125		12		7110-1000	N3
2000	20	212	148		12		7110-2000	N3

Advertise with your good name

Many articles in this catalog are outstandingly suitable for carrying your advertisements. No matter whether as a promotional gift or as a supplement to your own product: your name is always present.

Printing subjects
Company logos, instructions for use, advertising messages, table of contents, scales – we set no limits to your fantasies or wishes.

Colors
We can print in all the usual color scales such as RAL, Pantone, HKS or to your color sample.

Printing area
The area that can be printed depends on the particular product. We will be pleased to advise you.

Resistance
The printing is resistant to weak acids and alkalis, and to most solvents. It is very resistant to both mechanical damage and light. Your advertising message will not fade even after many years of use.

From artwork to print
1. You send us your copy or artwork – we can process virtually any data format.
2. On request we can also support you with your a layout.
3. After a few days you will receive a proof sheet for your acceptance.
4. In our works your advertising message will be permanently applied in topquality.

Costs
We treat each print job individually. As each print job is different, we always make a separate offer for each inquiry. The total cost is made up of the price of the product, preliminary costs (finalizing the artwork and making the screen) and printing costs.

Printable products
- Graduated beakers (page 215)
- Graduated cylinders (page 218)
- Pressure atomiser (page 174)
- Measuring scoops (page 141)
- Bottles (page 160)
- Flow indicators (page 240)

Graduated cylinders, tall form

Measuring cylinder, tall shape, according to DIN 12 680(Glass)/ISO 6706, with hexagonal base. For use in laboratories, chemists, in workshops, during outdoor field work and wherever volumetric measurements have to be made during production.

Graduated cylinders, tall-form, made of SAN

- SAN, crystal clear
- Category B (DIN 12681 / ISO 6706)
- Embossed graduation with rings at the main points
- Adjusted to "In"

Graduated cylinders, tall-form, made of SAN

Capacity ml	Division ml	Outer dia. mm	Stand dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
100	1	34	65	260		12		7506-0100	N3
500	5	61	95	350		6		7506-0500	N3
1000	10	76	125	415		6		7506-1000	N3

Graduated cylinders made of PP

- PP, highly transparent
- Category B (DIN 12681 / ISO 6706)
- Embossed blue graduation with rings at the main points
- Shatterproof
- Adjusted to "In"

Graduated cylinders, PP, tall-form, blue graduations

Capacity ml	Division ml	Outer dia. mm	Stand dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
50	1	27	55	200		12		7503-0050	N3
100	1	33	65	250		12		7503-0100	N3
250	2	44	75	315		6		7503-0250	N3
500	5	58	95	360		6		7503-0500	N3
1000	10	69	125	440		6		7503-1000	N3
2000	20	97	160	482		3		7503-2000	N3

Graduated cylinders made of PP

- PP, highly transparent
- Category B (DIN 12681 / ISO 6706)
- Embossed transparent graduation with rings at the main points
- Shatterproof
- Adjusted to "In"

Graduated cylinders, PP, tall-form, embossed graduations

Capacity ml	Division ml	Outer dia. mm	Stand dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
50	1	27	55	200		12		7502-0050	N3
100	1	33	65	250		12		7502-0100	N3
250	2	44	75	315		6		7502-0250	N3
500	5	58	95	360		6		7502-0500	N3
1000	10	69	125	440		6		7502-1000	N3
2000	20	97	160	482		3		7502-2000	N3

Measuring jugs industrial

Light and handy polypropylene measuring jug is suitable for industrial applications. The measuring jug has two measuring scales, embossed transparent and with blue lettering. With ergonomic handle, available in closed design for special stability or with open handle for stacking to save space. The measuring jug is made of polypropylene and is therefore highly resistant to acids, bases and chemicals.

- PP transparent
- With embossed graduation printed in blue

Please inquire about special prices for large quantities!

Bulk prices

Measuring jug industrial, with closed handle

Capacity ml	Dia. mm	Height mm	Division ml	Price €	Quantity scale from	Scale price €	Item no.	
500	90	135	10		16		7204-0500	N3
1000	117	165	10		12		7204-1000	N3
2000	151	206	20		12		7204-2000	N3
3000	175	238	50		10		7204-3000	N3
5000	203	257	100		5		7204-5000	N3

Measuring jug industrial, stacking

Capacity ml	Dia. mm	Height mm	Division ml	Price €	Quantity scale from	Scale price €	Item no.	
500	90	135	10		16		7210-0500	N3
1000	117	165	10		12		7210-1000	N3
2000	151	206	20		12		7210-2000	N3
3000	175	238	50		10		7210-3000	N3
5000	203	257	100		5		7210-5000	N3

Universal graduated beakers

Universal graduated beakers with indestructible graduation. The three specially formed spouts enable easy pouring of liquids. Due to great pricing, they can also be used as disposable graduated beakers.

- PP, transparent, autoclavable
- Space-saving stacking in one another

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Bulk prices

Universal graduated beakers

Capacity ml	Dia. bottom mm	Dia. top mm	Division ml	Price €	Quantity scale from	Scale price €	Item no.
50	31	45	5		100		7109-0050 N3
100	38	55	10		100		7109-0100 N3
250	48	75	10		100		7109-0250 N3
400	51	83	20		100		7109-0400 N3
1000	72	113	50		100		7109-1000 N3

Titrating burette automatic

Burette with Schellbach stripes type Schilling / Bürkle with original Bürkle dosing armature.
A universal aid in the laboratory, electroplating industry, water treatment plants, for field analyses, etc.
Precise dosing using the press button, exact fine titration with the micro-screw and precise discharge jet.
Graduation according to Category B (Tolerances according to DIN EN ISO 385).

- Adjusted for Ex
- Burette made of borosilicate glass 3.3
- Resistant to chemicals
- Blue ring graduations (Colordur)
- Left or right hand operation possible
- Sturdy stand
- Precise discharge jet, allowing very fine drops
- Parts in contact with the medium: PE, PP, natural rubber, borosilicate glass

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

LaboPlast

Titrating burette automatic DIN

Burette capacity ml	Division ml	Precision ml	Height cm	Capacity l	Price €	Quantity scale from	Scale price €	Item no.	
5	0.05	± 0,03	61	0.5		10		9695-1005	N4
10	0.05	± 0,03	56	0.5		10		9695-1010	N4
15	0.1	± 0,045	52	0.5		10		9695-1015	N4
25	0.1	± 0,045	65	1		10		9695-1025	N4
50	0.1	± 0,075	92	1		10		9695-1050	N4

Splinter-proof titrating burette

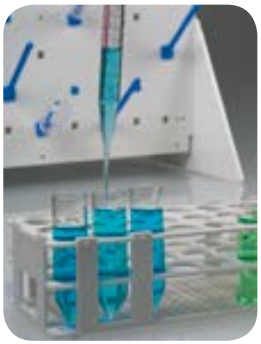
The titrating burette with splinter protection is a fast acting burette with Schellbach stripes based on Dr. Schilling's design with automatic zero point extraction and Bürkle dosing armature.
The glass burette has a plastic sheathing which increases resistance to breaking and protects against splinters. The possibility of the burette breaking is much lower than with a conventional burette, and if it does break, there will be no dangerous splinters.
The Bürkle dosing armature allows for precise dosing and exact fine titration with the press button or micro-screw and precise discharge through the discharge jet.

- Burette with splinter-proof sheathing
- Adjusted to Ex
- Burette made of borosilicate glass 3.3
- Shatter-proof, resistant to chemicals
- Sturdy stand
- Precise discharge jet, allowing very fine drops
- Parts in contact with medium: PE, PP, natural rubber, borosilicate glass

Splinter-proof titrating burette DIN

Burette capacity ml	Division ml	Precision ml	Height cm	Capacity l	Price €	Quantity scale from	Scale price €	Item no.	
15	0.1	± 0,045	52	0,5		10		9695-3015	N4
25	0.1	± 0,045	65	1		10		9695-3025	N4
50	0.1	± 0,075	92	1		10		9695-3050	N4

Single-use pipettes PS



- Polystyrene, crystal clear
- Individually sterile-packed
- For aqueous solutions

Disposable pipettes LDPE

- LDPE
- dropping pipette, not graduated

Single-use pipettes PS

Capacity ml	Price €	Quantity scale from	Scale price €	Item no.
25		100		7556-0025 N3
50		50		7556-0050 N3
100		20		7556-0100 N3

Disposable pipettes LDPE

Capacity ml	Length mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
1,8	98	100		10		7555-0001 N4
1,7	145	100		10		7555-0002 N4
2,4	155	100		10		7555-0003 N4

Graduated pipettes

- PP, transparent
- Blue, permanently coloured graduation and labelling

Single mark pipettes

- PP, transparent
- Blue, permanently coloured graduation and labelling

Pi-Pump

Suction via handwheel. If the handwheel is stopped, the piston remains in place and no liquid flows out

Discharge via outlet lever. Very small quantities can be removed with great accuracy by turning the handwheel

Proven thousands of time, fits naturally into the hand. The handwheel ensures precise suction. The contents can be purged by pressing back the piston. Dispensing with the lateral switch.

- Easy to use, precise
- Available in three sizes (colour-coded)

Graduated pipettes

Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
10		12		7550-0010	N3

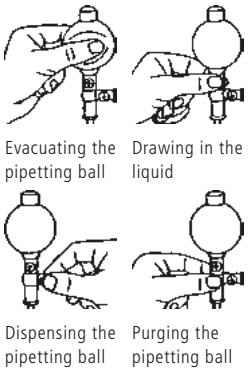
Single mark pipettes

Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
10		10		7553-0010	N3
25		12		7553-0025	N3
50		12		7553-0050	N3

Pi-Pump

Fits for pipette up to ... ml	Colour	Price €	Quantity scale from	Scale price €	Item no.	
2	blue		10		7551-0002	N3
10	green		5		7551-0010	N3
25	red		5		7551-0025	N3

Safety pipetting-ball



Peleus ball, simple pipetting aid. Evacuation takes place via an automatic valve. By pressing the valves, the liquid is drawn up, dispensed or purged. The removable automatic valve also enables effective cleaning of the inside.

- For all pipettes up to 100 ml
- Available in various colours

Safety pipetting-ball

Colour	Price €	Quantity scale from	Scale price €	Item no.	
red		10		7554-0002	N3
yellow		10		7554-0004	N3
blue		10		7554-0005	N3
green		10		7554-0006	N3

Pipette rinsing system

① Pipette rinsing system

For easy and gentle cleaning and safe storage of pipettes. A complete system suitable for every lab.

- PE transparent
- Effective height 600 mm

② Pipette basket

The basket is an accessory for the pipette rinser.

① Pipette rinsing system

Capacity l	Inner dia. mm	Stand dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
17	165	315	740		5		9650-0650	N3

② Pipette basket

Capacity l	Stand dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
17	145	280		4		9650-0653	N3

③ Cleaning and storage container for pipettes

Capacity l	Inner dia. mm	Outer dia. mm	Stand dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
10	155	165	240	550		5		9650-0651	N3
12,5	155	165	240	660		5		9650-0652	N3

Pipette stand

Frame for pipettes with two rotating perforated plates and drip pan. The holders are suitable for up to 40 pipettes of different sizes, for all measuring and full pipettes up to a max. diameter of 18 mm.

A drip pan protects the tips of the pipettes and collects liquid as it drips off.
The pipette stand is suitable for drying and for space-saving storage of pipettes or thermometers, test tubes and similar items. A very sturdy pedestal ensures absolute safety against overturning.

No clamping screws are necessary thanks to an innovative magnet concept. The height of the holding plates can be adjusted easily and flexibly with one hand.

The lab frame can be flexibly adapted with corresponding accessories, for example as a frame for Imhoff sedimentation funnels (see page 214) or as a funnel frame (see page 213).

- PP, chrome-plated steel
- Adjustable height up to 450 mm
- 40 slots, Ø 10 - 18 mm

Pipette stand

Price €	Quantity scale from	Scale price €	Item no.	
	3		9630-0090	N4

Accessories

Description	Price €	Item no.	
Funnel holder with reducing insert, for funnels Ø 40-180 mm		9622-0001	N4
Sedimentation funnel holder for Imhoff funnels from Ø 90 mm		7118-2001	N4

Draining rack, wallmount | practical, hygienic, attractive shape

Draining rack made of plastic, shatterproof, proven thousands of times in the lab and adjusted to the requirements there.

The stable rods are individually placed into the holes of the draining rack and are clicked into place. Their positions can be changed at any time. Using a combination of rods of three different lengths (60 mm, 100 mm and extension to 150 mm), the draining rack can be adapted to any apparatus which is to be dried.

Available in three different sizes:

- **Draining rack 40x40 cm** with rods 60 mm (5x), 100 mm (26x) and extension 150 mm (2x)
- **Draining rack 50x50 cm** with rods 60 mm (10x), 100 mm (39x) and extension 150 mm (4x)
- **Draining rack 60x60 cm** with rods 60 mm (15x), 100 mm (56x) and extension 150 mm (6x)

Extension Item No. 9640-0415 can only be used with rod Item No. 9640-0410.

Available as:

- Draining rack, wallmount, incl. wall mounting set (screws, dowels), optionally available with removable draining channel which has a connection for a draining tube (The drainage water goes into the lab basin)
- Draining rack, benchtop, with collecting pan

- Draining rack PVC, rods PP
- Incl. spanner for the rods

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

LaboPlast

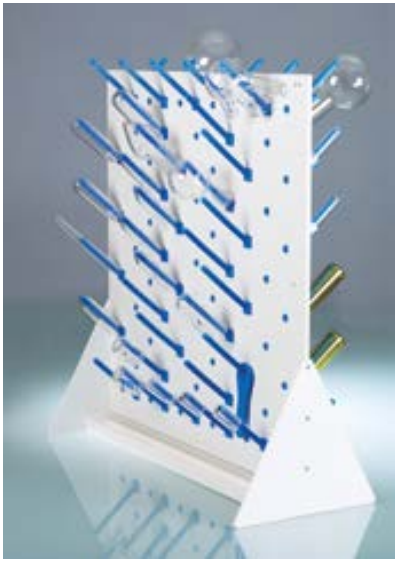
Draining rack, wallmount

Model	W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
without draining channel	400 x 400		3		9640-1040	N4
without draining channel	500 x 500		3		9640-1050	N4
without draining channel	600 x 600		3		9640-1060	N4
with draining channel	400 x 400		3		9640-2040	N4
with draining channel	500 x 500		3		9640-2050	N4
with draining channel	600 x 600		3		9640-2060	N4

Accessories

Description	Price €	Item no.	
Rods for draining rack length 60 mm, dia. 6 mm		9640-0421	N4
Rods for draining rack length 100 mm, dia. 10 mm		9640-0410	N4
Extension rods for draining rack length 150 mm, dia. 12 mm		9640-0415	N4

Draining rack, benchtop



The draining rack is easy and flexible to set down on a table or working surface. Two large supports with wide bases ensure sufficient stability. Since both sides of the draining board can be used, it provides twice the hanging space. The collecting pan can simply be removed for emptying.

- Flexible, can be used on both sides

LaboPlast

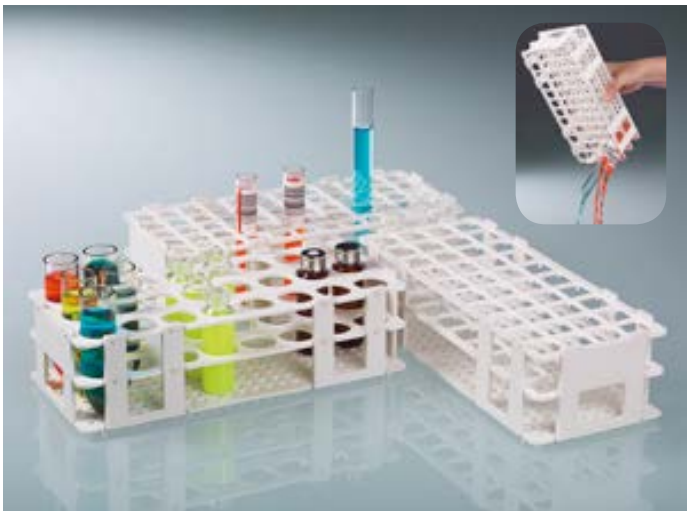
Draining rack, benchtop

W x H mm	Price €	Quantity scale from	Scale price €	Item no.	
400 x 400		3		9640-3040	N4
500 x 500		3		9640-3050	N4
600 x 600		3		9640-3060	N4

Accessories

Description	Price €	Item no.	
Rods for draining rack length 60 mm, dia. 6 mm		9640-0421	N4
Rods for draining rack length 100 mm, dia. 10 mm		9640-0410	N4
Extension rods for draining rack length 150 mm, dia. 12 mm		9640-0415	N4

Test-tube racks



Universal test tube rack with retention system. Allows all test tubes to be emptied simultaneously. Suitable for test tubes in most standard diameters. Alphanumerically marked positions for specific identification of samples. Test tube rack with 24 storing positions without retention system.

- PP, coloured, shatterproof
- Steam sterilisable up to +121°C
- Dimensions: 246 x 104 x 64 mm

Test-tube racks

For tubes up to ... dia. mm	Colour	No. of tubes	Price €	Quantity scale from	Scale price €	Item no.	
16	white	60		5		9635-0021	N3
20	white	40		5		9635-0031	N3
20	red	40		5		9635-0032	N3
20	blue	40		5		9635-0035	N3
25	white	24		5		9635-0041	N3

SnowPack® dry ice machine | - 79 °C cryogenic cooling on-tap

SnowPack® enables you to obtain a - 79 °C dry ice tablet weighing 50 or 250 g within a few moments, without complicated technology and without electricity! You can therefore obtain low-cost cooling to very low temperatures at any time you like.

SnowPack® is often used in hospitals, universities, schools, institutes, laboratories, in the chemical industry and in materials testing facilities.

Examples of use: Lowering the temperature in cooling baths or cold traps, pre-cooling tissue samples, ensuring safe transport or embedding biological substances, freezing blood and tissue samples, studies in chemistry, physics and materials technology, etc. Dry ice is easy to handle, odourless and flavourless. The SnowPack® dry ice machine can be installed on any commercial CO_2-bottle with a standpipe (without pressure regulator) (thread W 21.80 x 1/14" according to DIN 477-1 No. 6). These often exist in many production facilities and laboratories anyway. If this is not the case, a bottle can be rented for a small price from a local specialist gas distributor.

The use of SnowPack® is easy:

1. Simply screw SnowPack® onto a CO_2 bottle with standpipe.
2. Open the valve, CO_2 gas flows into the SnowPack® and crystallises to dry ice.
3. Open the clamp.
4. Take out the dry ice pellet.

- Ideal cooling media for sample transport
- Performance depends on room temperature and pressure

SnowPack® dry ice machine

Model	Tablet dia. x H mm	Weight g	Gas escape time ca. min	Tablets per 22 kg bottle	Price €	Item no.
SnowPack® 50	50 x 30	50	0,5	approx. 90		9805-0030 N4
SnowPack® 250	80 x 60	250	1	approx. 16		9805-0200 N4

PVC pressure tubing

Fabric reinforced, permanent transparency, increased flexibility, high chemical resistance, excellent ageing and abrasion resistance, environmentally friendly, cadmium-free. Foodstuffs quality according to the EC Guideline 1935/2004.

- Clear
- Hardness Shore A 70 ± 3
- Operating temperature -20°C to +60°C
- TÜV-approved (German industry standards)

⚠ The pressure figures are maximum values (bursting pressure) under optimum ambient conditions. The user is responsible for determining any suitability!

PVC pressure tubing

Inner dia. mm	Roll length m	Outer dia. mm	Wall thickness mm	Pressure max. bar	Price €	Item no.	
6	10	12	3	20		8802-0612	N3
6	50	12	3	20		8876-0612	N3
8	10	14	3	18		8802-0814	N3
8	50	14	3	18		8876-0814	N3
9	10	15	3	16		8802-0915	N3
9	50	15	3	16		8876-0915	N3
10	10	16	3	14		8802-1016	N3
10	50	16	3	14		8876-1016	N3
12	10	18	3	14		8802-1218	N3
12	50	18	3	14		8876-1218	N3
13,2	10	20	3,3	12		8802-1320	N3
13,2	50	20	3,3	12		8876-1320	N3

Accessories

Description	Price €	Item no.	
Hose cutter		0006-9506	N3

PVC industrial tubing

Hose made of soft PVC, cadmium-free, with high resistance to chemicals, high flexibility and permanent crystal clear transparency and excellent abrasion resistance. Foodstuffs quality according to the EC Guideline 1935/2004.

- Clear
- Hardness Shore A 80 ± 3
- Operating temperature -20°C to +50°C
- For pressureless operation

PVC industrial tubing

Inner dia. mm	Roll length m	Outer dia. mm	Wall thickness mm	Price €	Item no.	
2	10	4	1		8801-0204	N3
2	100	4	1		8875-0204	N3
3	10	5	1		8801-0305	N3
3	100	5	1		8875-0305	N3
4	10	6	1		8801-0406	N3
4	100	6	1		8875-0406	N3
5	10	7	1		8801-0507	N3
5	100	7	1		8875-0507	N3
6	10	8	1		8801-0608	N3
6	100	8	1		8875-0608	N3
7	10	10	1,5		8801-0710	N3
7	100	10	1,5		8875-0710	N3
8	10	11	1,5		8801-0811	N3
8	50	11	1,5		8875-0811	N3
9	10	12	1,5		8801-0912	N3
9	50	12	1,5		8875-0912	N3
10	10	13	1,5		8801-1013	N3
10	50	13	1,5		8875-1013	N3
12	10	16	2		8801-1216	N3
12	50	16	2		8875-1216	N3
13	10	19	3		8801-1319	N3
13	50	19	3		8875-1319	N3
19	10	25	3		8801-1925	N3
19	50	25	3		8875-1925	N3

Accessories

Description	Price €	Item no.	
Hose cutter		0006-9506	N3

PTFE tubing

Excellent properties: Extremely high chemical resistance against nearly all chemicals, smallest frictional coefficient, excellent anti-adhesive qualities/residue emptying. PTFE hoses do not emit odours, do not burn or smoke and are resistant to ageing and UV light. Not resistant to fluorine compounds or strong reducing agents.

- Transparent
- Hardness Shore D 55
- Temperature -200°C to +260°C
- Autoclavable, ethylene oxide
- Flavour and odour neutral

⚠ The pressure figures are maximum values (bursting pressure) under optimum ambient conditions. The user is responsible for determining any suitability!

PTFE tubing

Inner dia. mm	Roll length m	Outer dia. mm	Wall thickness mm	Pressure max. bar	Price €	Item no.	
1	5	3	1	240		8804-0103	N3
1	50	3	1	240		8879-0103	N3
2	5	4	1	120		8804-0204	N3
2	50	4	1	120		8879-0204	N3
3	5	5	1	80		8804-0305	N3
3	50	5	1	80		8879-0305	N3
4	5	6	1	60		8804-0406	N3
4	50	6	1	60		8879-0406	N3
6	5	8	1	40		8804-0608	N3
6	50	8	1	40		8879-0608	N3
8	5	10	1	30		8804-0810	N3
8	50	10	1	30		8879-0810	N3
10	5	12	1	20		8804-1012	N3
10	50	12	1	20		8879-1012	N3

Accessories

Description	Price €	Item no.	
Hose cutter		0006-9506	N3

PE tubing

The PE hose is recognised as safe physiologically, resistant against (non-oxidizing) acids, caustic solutions, salts and a number of solvents, pressure resistant, flexible, impact resistant, light, resistant to compression, up to + 80 °C deformation resistant.

- Transparent
- Hardness Shore A 80 ± 3
- Temperature -40°C to +95°C
- Suitable for food

⚠ The pressure figures are maximum values (bursting pressure) under optimum ambient conditions. The user is responsible for determining any suitability!

PE tubing

Inner dia. mm	Roll length m	Outer dia. mm	Wall thickness mm	Pressure max. bar	Price €	Item no.	
3	10	5	1	13		8805-0305	N3
3	100	5	1	13		8878-0305	N3
4	10	6	1	10		8805-0406	N3
4	100	6	1	10		8878-0406	N3
6	10	8	1	7		8805-0608	N3
6	100	8	1	7		8878-0608	N3
10	10	14	2	8		8805-1014	N3
10	100	14	2	8		8878-1014	N3
12	10	16	2	7		8805-1216	N3

Accessories

Description	Price €	Item no.	
Hose cutter		0006-9506	N3

Silicone tubing

Very flexible, transparent hose. Good resistance against weak acids and alkalis. Do not use for strong acids and caustic solutions. Swells in organic solvents. Largely nonreactive to ionising solvents except chlorinated aliphatic and aromatic hydrocarbons.

- Transparent
- Hardness Shore A 55 ± 5
- Temperature -60°C up to +180°C
- Autoclavable, ethylene oxide
- Suitable for food

Silicone tubing

Inner dia. mm	Roll length m	Outer dia. mm	Wall thickness mm	Price €	Item no.
3	10	5	1		8803-0305 N3
3	50	5	1		8881-0305 N3
4	10	6	1		8803-0406 N3
4	50	6	1		8881-0406 N3
5	10	8	1,5		8803-0508 N3
5	50	8	1,5		8881-0508 N3
6	10	9	1,5		8803-0609 N3
6	50	9	1,5		8881-0609 N3
7	10	10	1,5		8803-0710 N3
7	50	10	1,5		8881-0710 N3
8	10	12	2		8803-0812 N3
8	50	12	2		8881-0812 N3
10	5	15	2,5		8803-1015 N3
10	50	15	2,5		8881-1015 N3
12	5	16	2		8803-1216 N3
12	25	16	2		8881-1216 N3

Accessories

Description	Price €	Item no.
Hose cutter		0006-9506 N3

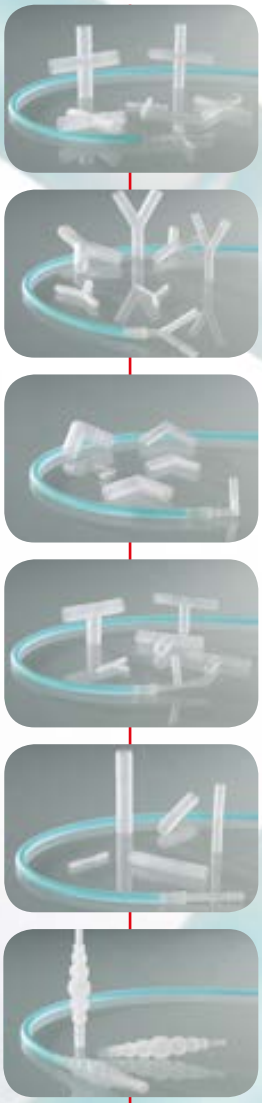
Hose cutter

Edges cut with the hose cutter are always clean and flat, even in the case of thick hoses.

Hose cutter

Price €	Quantity scale from	Scale price €	Item no.
	10		0006-9506 N3

Make connections – with Bürkle LaboPlast® hose connectors



Bürkle offers a large portfolio of different hose connectors that are used to extend, connect, branch, join and repair hoses, etc.

The ranges of application are diverse and thus the requirements for shape, size and material properties are broadly based.

LaboPlast

We produce our LaboPlast® hose connectors in many sizes and shapes (I, T, Y, X, L) to be able to also safeguard a flexible and safe solution and connection for demanding applications at all times.

We offer these connectors made of polypropylene as standard. However here we would like to point out our connectors made of PVDF (polyvenylidene fluoride).

Do you prefer moving images of our connectors? – No problem! Visit us at

www.buerkle.de/videos

or simply scan the code opposite with your smartphone and select the films that you find interesting.

PVDF – for demanding applications

PVDF is a fluoropolymer with superior product properties:

- Highest chemical resistance
- High temperature resistance (up to 160 °C)
- Food industry approval
- Autoclavable
- UV-resistant

If you value high-quality and flexible solutions for demanding applications, test our unique connector made of PVDF.

Improve your connections – with Bürkle LaboPlast® PVDF hose connectors!

MADE IN GERMANY bürkle

Y-connectors

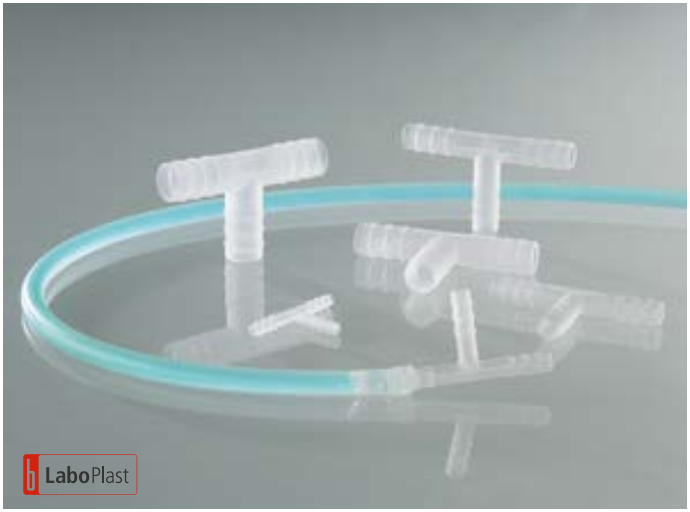
Cylindrical Y hose connector to connect hoses.

- PP, Temperature resistant up to +135°C max.
- PVDF, Temperature resistant up to +160°C max., highly resistant to chemicals
- Sterilisable

Y-connectors

Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	3-5	10		20		8706-0004	N4
PP	5-7	10		20		8706-0006	N4
PP	6-8	10		20		8706-0007	N4
PP	7-9	10		20		8706-0008	N4
PP	9-11	10		20		8706-0010	N4
PP	11-13	10		20		8706-0012	N4
PP	13-15	10		20		8706-0014	N4
PVDF	3-5	10		20		8712-0004	N4
PVDF	5-7	10		20		8712-0006	N4
PVDF	7-9	10		20		8712-0008	N4
PVDF	9-11	10		20		8712-0010	N4
PVDF	11-13	10		20		8712-0012	N4
PVDF	13-15	10		20		8712-0014	N4

T-connectors



Cylindrical T hose connector to connect hoses.

- PP, Temperature resistant up to +135°C max.
- PVDF, Temperature resistant up to +160°C max., highly resistant to chemicals
- Sterilisable

T-connectors

Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	3-5	10		20		8705-0004	N4
PP	5-7	10		20		8705-0006	N4
PP	7-9	10		20		8705-0008	N4
PP	9-11	10		20		8705-0010	N4
PP	11-13	10		20		8705-0012	N4
PP	13-15	10		20		8705-0014	N4
PVDF	3-5	10		20		8711-0004	N4
PVDF	5-7	10		20		8711-0006	N4
PVDF	7-9	10		20		8711-0008	N4
PVDF	9-11	10		20		8711-0010	N4
PVDF	11-13	10		20		8711-0012	N4
PVDF	13-15	10		20		8711-0014	N4

Angled connectors

Cylindrical angle hose connector to connect hoses.

- PP, Temperature resistant up to +135°C max.
- PVDF, Temperature resistant up to +160°C max., highly resistant to chemicals
- Sterilisable

Angled connectors

Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	3-5	10		20		8707-0004	N4
PP	5-7	10		20		8707-0006	N4
PP	7-9	10		20		8707-0008	N4
PP	9-11	10		20		8707-0010	N4
PP	11-13	10		20		8707-0012	N4
PP	13-15	10		20		8707-0014	N4
PVDF	3-5	10		20		8713-0004	N4
PVDF	5-7	10		20		8713-0006	N4
PVDF	7-9	10		20		8713-0008	N4
PVDF	9-11	10		20		8713-0010	N4
PVDF	11-13	10		20		8713-0012	N4
PVDF	13-15	10		20		8713-0014	N4

Four-way-connectors

Cylindrical four-way hose connector to connect hoses.

- PP, Temperature resistant up to +135°C max.
- PVDF, Temperature resistant up to +160°C max., highly resistant to chemicals
- Sterilisable

Four-way-connectors

Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	3-5	10		20		8708-0004	N4
PP	5-7	10		20		8708-0006	N4
PP	7-9	10		20		8708-0008	N4
PP	9-11	10		20		8708-0010	N4
PP	11-13	10		20		8708-0012	N4
PP	13-15	10		20		8708-0014	N4
PVDF	3-5	10		20		8717-0004	N4
PVDF	5-7	10		20		8717-0006	N4
PVDF	7-9	10		20		8717-0008	N4
PVDF	9-11	10		20		8717-0010	N4
PVDF	11-13	10		20		8717-0012	N4
PVDF	13-15	10		20		8717-0014	N4

Hose tubing connectors, straight

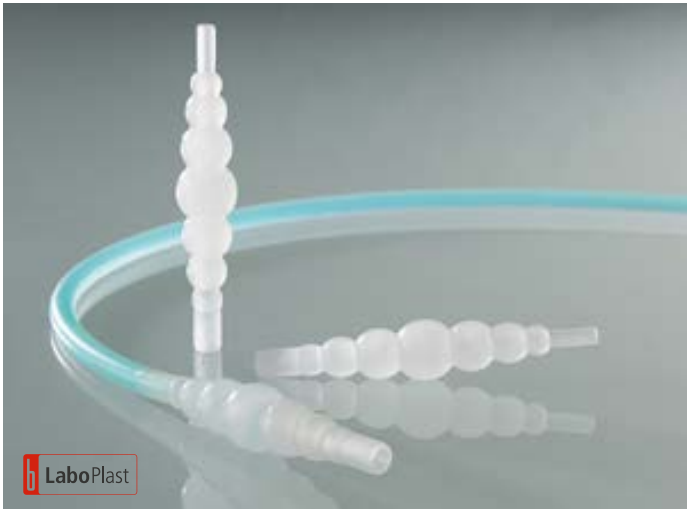
Cylindrical straight hose connectors for various hose sizes.

- PP, Temperature resistant up to +135°C max.
- PVDF, Temperature resistant up to +160°C max., highly resistant to chemicals
- Sterilisable

Hose tubing connectors, straight, cylindrical nozzles

Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	3-5	10		20		8701-0004	N4
PP	5-7	10		20		8701-0006	N4
PP	7-9	10		20		8701-0008	N4
PP	9-11	10		20		8701-0010	N4
PP	11-13	10		20		8701-0012	N4
PP	13-15	10		20		8701-0014	N4
PVDF	3-5	10		20		8710-0004	N4
PVDF	5-7	10		20		8710-0006	N4
PVDF	7-9	10		20		8710-0008	N4
PVDF	9-11	10		20		8710-0010	N4
PVDF	11-13	10		20		8710-0012	N4
PVDF	13-15	10		20		8710-0014	N4

Universal hose tubing connectors



Conical, straight hose connectors for universal use.

- PP, Temperature resistant up to +135°C max.
- PVDF, Temperature resistant up to +160°C max., highly resistant to chemicals
- Sterilisable

Universal hose tubing connectors with conical nozzles

Material	For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
PP	4-17	10		20		8700-0417	N4
PVDF	4-17	10		20		8710-0417	N4

Hose tubing connectors

Conical, straight hose connectors for various hose sizes.

- PP
- Sterilisable

Reducing hose connectors

Reducing nozzles for the reduction from bigger to small hoses.

- PP
- Sterilisable

Hose couplings

Attachable, conical hose couplings for pressureless operation.

- PE

Hose tubing connectors

For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
3-5	10		10		8700-0406	N3
5-7	10		10		8700-0608	N3
7-10	10		10		8700-0810	N3
9-12	10		10		8700-1012	N3
11-14	10		10		8700-1214	N3
13-15	10		10		8700-1416	N3

Reducing hose connectors

For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
4-8/ 8-12	10		10		8703-0408	N3
4-8/ 12-16	10		10		8703-0412	N3
8-12/ 12-16	10		10		8703-0812	N3

Hose couplings

For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
3-5	10		10		8704-0406	N3
5-7	10		10		8704-0608	N3
7-10	10		10		8704-0810	N3
9-12	10		10		8704-1012	N3
11-14	10		10		8704-1214	N3
13-16	10		10		8704-1416	N3

Non-return valves

Retaining valve with embossed directional arrow or printed in black. With conical nozzles. Various uses.

- Resistant to compression max. 4 bar
- Operating temperature +0 to +40 °C
- With PP valve ball, on request also with ball made of stainless steel or PTFE

LaboPlast

Non-return valves with conical inlet/outlet

For dia. mm	Print	Price €	Quantity scale from	Scale price €	Item no.	
① 6-8	embossed		100		8714-0060	N4
① 8-10	embossed		100		8714-0080	N4
① 10-14	embossed		100		8714-0100	N4
② 6-8	black		100		8714-1006	N4
② 8-10	black		100		8714-1008	N4
② 10-14	black		100		8714-1010	N4

Magic Box

In this magic box, you can invariably find the appropriate hose connector you are looking for. Magic box includes 68 connectors: **Two of each** in sizes **4, 6, 8, 10, 12** and **14 mm**

- Straight hose connector Item No. 8701-
- T hose connector Item No. 8705-
- Y hose connector Item No. 8706-
- X hose connector Item No. 8708-
- Angle hose connector Item No. 8707-

Two of each for hoses from **4-17 mm**

- Universal hose connector Item No. 8700-0417

Two of each in sizes **4-8, 4-12**, and **8-12 mm**

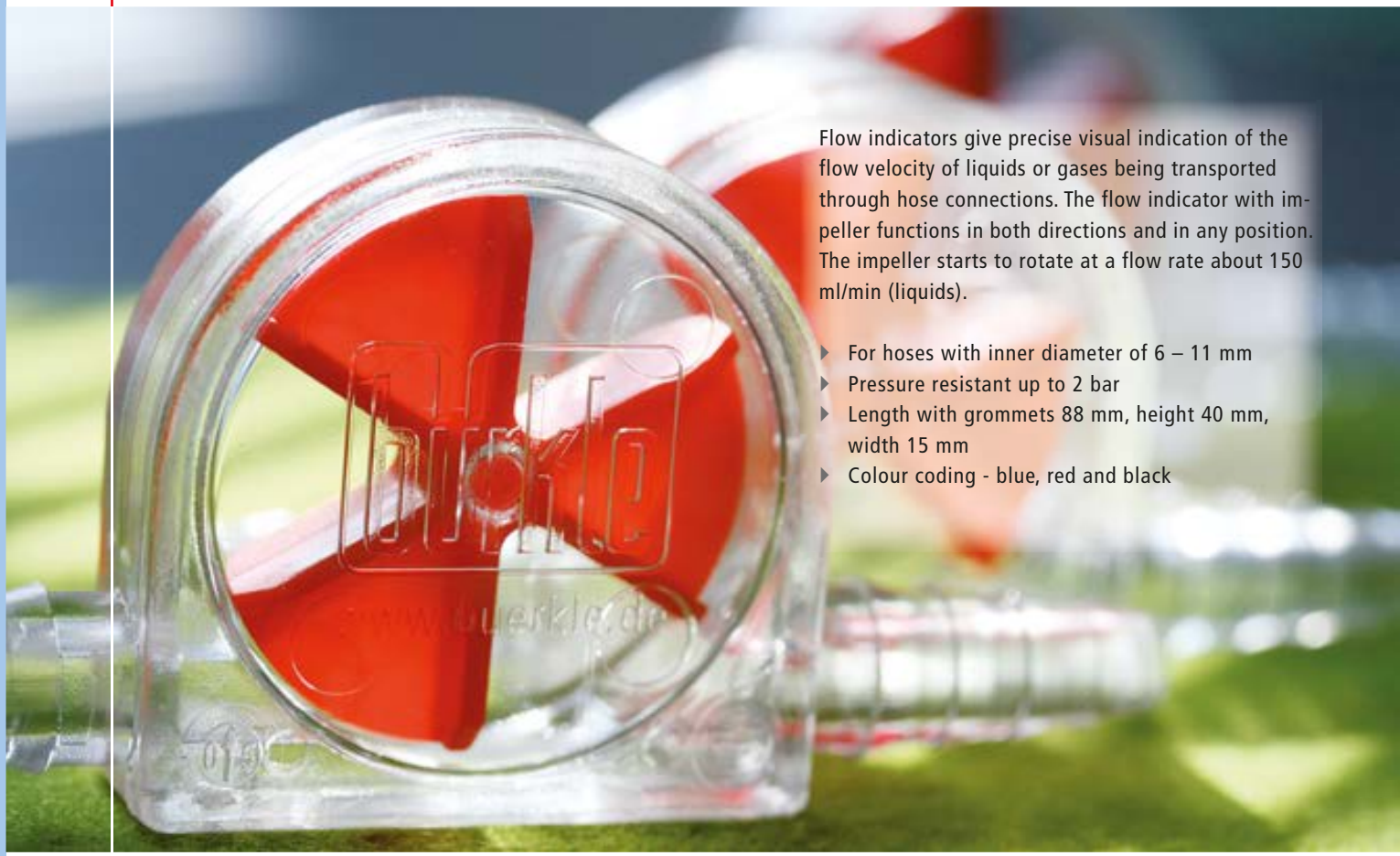
- Reducing hose connector Item No. 8703-

- PP, shatterproof and transparent

Magic Box

Price €	Quantity scale from	Scale price €	Item no.	
	5		8715-1000	N4

Flow indicators



Flow indicators give precise visual indication of the flow velocity of liquids or gases being transported through hose connections. The flow indicator with impeller functions in both directions and in any position. The impeller starts to rotate at a flow rate about 150 ml/min (liquids).

- For hoses with inner diameter of 6 – 11 mm
- Pressure resistant up to 2 bar
- Length with grommets 88 mm, height 40 mm, width 15 mm
- Colour coding - blue, red and black

Flow indicators LiquiMobil SAN

LiquiMobil flow indicator made of SAN is mainly suitable for cooling systems and helps to reduce water consumption considerably because the cooling water flow can be adjusted better. Not suitable for aggressive substances.

- Operating temperature LiquiMobil SAN max. +30°C

Flow indicators CheMobil PMP

CheMobil made of PMP/TPX can be used for many substances due to its good chemical resistance. Not suitable for strong acids, alkalis and solvents. CheMobil can be steam sterilised.

- Operating temperature CheMobil PMP max. +60°C

Flow indicators LiquiMobil SAN

Colour	Price €	Quantity scale from	Scale price €	Item no.	
red		10		8720-1002	N4
black		10		8720-1003	N4
blue		10		8720-1005	N4

Flow indicators CheMobil PMP

Colour	Price €	Quantity scale from	Scale price €	Item no.	
red		10		8720-2002	N4
black		10		8720-2003	N4
blue		10		8720-2005	N4

stop-it hose clamps

The hose clip can be used wherever the flow in hoses with liquids or gases needs to be regulated or stopped.
Stepless flow regulation: With the hose clip stop-it's knurled screw, a stepless, delicate flow regulation or complete stop of the flow are possible, even for existing hose connections. The hose is compressed over a wide area against the sturdy steel hook in order to prevent it from being damaged.

stop-it with Easy-Click closure

Easy-Click closure - stop-it can be opened and closed in any position - without tiresome screwing on and off. High quality material - stop-it made from the heat resistant and chemical resistant plastic PVDF. The clamp is galvanised steel.

- PVDF, aluminium and steel, zinc coated
- Temperature resistent up to 140 °C
- For flexible hoses with outer Ø up to 10 mm, 15 mm and 20 mm
- Available in four fresh colours

Bulk prices

stop-it with Easy-Click closure						
For dia. mm	Colour	Price €	Quantity scale from	Scale price €	Item no.	
to 10	red		50		8619-0102	N4
to 10	yellow		50		8619-0104	N4
to 10	blue		50		8619-0105	N4
to 10	green		50		8619-0106	N4
to 15	red		50		8619-0152	N4
to 15	yellow		50		8619-0154	N4
to 15	blue		50		8619-0155	N4
to 15	green		50		8619-0156	N4
to 20	red		50		8619-0202	N4
to 20	yellow		50		8619-0204	N4
to 20	blue		50		8619-0205	N4
to 20	green		50		8619-0206	N4

stop-it metal

The materials steel and aluminium ensure that the stop-it metal is extremly heat resistant and sturdy. The hose clip is available in four different sizes, for hose diameters up to max. 30 mm.

- Galvanised steel and aluminium
- For flexible hoses with outer Ø up to 10 mm, 15 mm, 20 mm and 30 mm

stop-it metal					
For dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
up to 10		50		8619-0510	N4
up to 15		50		8619-0515	N4
up to 20		50		8619-0520	N4
up to 30		50		8619-0530	N4

Hose clamp Squeeze-Fix

The hose can be squeezed in phases or completely compressed, as required.

- Can be operated with one hand
- POM (white, sterilisable, does not rust, permanently elastic, hygienic)

Hose clamp Squeeze-Fix

For dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
1-5	25		100		8618-0001	N3
3-10	40		100		8618-0002	N3
6-15	55		100		8618-0003	N3

Hose clips POM

Hose clips made of Polyacetal (POM).

Hose clips POM

For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
6 - 6,5	10		10		8678-0006	N3
9 - 10	10		10		8678-0010	N3
10 -11	10		10		8678-0011	N3
11 - 12	10		10		8678-0012	N3
12 - 14	10		10		8678-0014	N3
13 - 15	10		10		8678-0015	N3
15 - 17	10		10		8678-0017	N3
17 - 19	10		10		8678-0019	N3
18 - 20	10		10		8678-0020	N3
20 - 22	10		10		8678-0022	N3
23 - 25	10		10		8678-0025	N3

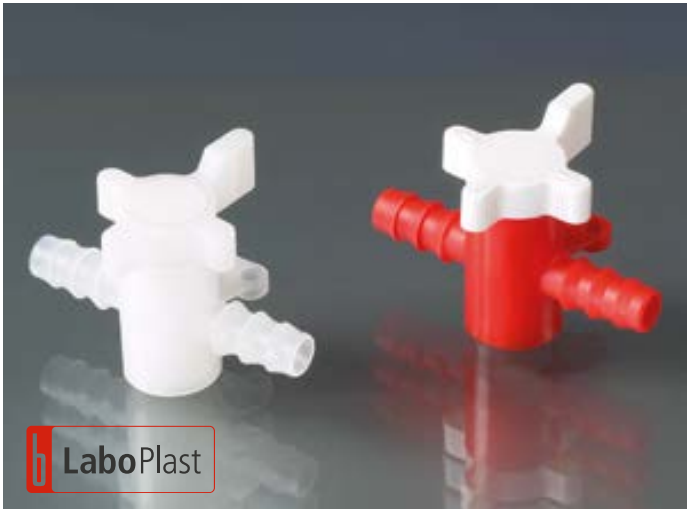
Worm-threaded hose clips

Hose clip sleeve made of stainless steel 1.4016, screw zinc coated, with screw thread.

Worm-threaded hose clips stainless steel

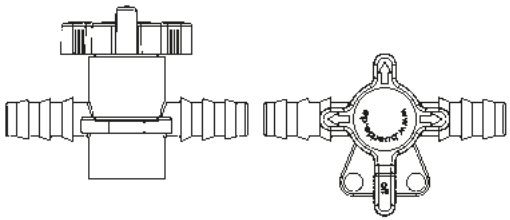
For dia. mm	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.	
8-12	10		10		8677-0812	N3
10-16	10		10		8677-1016	N3
12-20	10		10		8677-1220	N3
16-27	10		10		8677-1625	N3
20-32	10		10		8677-2032	N3
25-40	10		10		8677-2540	N3

Two-way valves



Three-way valves

Two and three-way valves are used for transfer of liquids or gases in order to release the flow, to block it or to change its direction.



- PVDF: excellent chemical resistance, transparent, suitable for food
- PP/PE: for industrial use, red/white
- Operating temperature: PVDF +0 up to +40 °C, PP/PE +5 up to +40 °C
- Resistant to compression max. 1 bar
- With mounting plate for easy installation

Two-way valves

Material	For dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
PP/PE	5-7	4		50		8605-0060	N4
PP/PE	7-9	6		50		8605-0080	N4
PP/PE	9-11	8		50		8605-0100	N4
PP/PE	11-13	8		50		8605-0120	N4
PVDF	5-7	4		50		8607-0060	N4
PVDF	7-9	6		50		8607-0080	N4
PVDF	9-11	8		50		8607-0100	N4
PVDF	11-13	8		50		8607-0120	N4

Three-way valves

Material	For dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
PP/PE	5-7	4		50		8606-0060	N4
PP/PE	7-9	6		50		8606-0080	N4
PP/PE	9-11	8		50		8606-0100	N4
PP/PE	11-13	8		50		8606-0120	N4
PVDF	5-7	4		50		8608-0060	N4
PVDF	7-9	6		50		8608-0080	N4
PVDF	9-11	8		50		8608-0100	N4
PVDF	11-13	8		50		8608-0120	N4

Valves made of PTFE, two-way and three-way

Two-way / three-way valves made of solid PTFE with hose nozzles. Resistant to chemicals. Very easy connection thanks to its excellent antifriction properties. Blue handles made of PP.

- Resistant to compression max. 1 bar
- Vacuum suitable up to 10 $^{-1}$ mmHg
- Autoclavable

Valves made of PTFE, two-way and three-way

Model	For dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
three-way valve	4,5	2		10		8610-0001	N4
three-way valve	6,8	3		10		8610-0003	N4
three-way valve	10	4		10		8610-0006	N4
two-way valve	4,5	2		10		8610-0010	N4
two-way valve	6,8	3		10		8610-0012	N4
two-way valve	10	4		10		8610-0015	N4

Hose tubing stop-cock

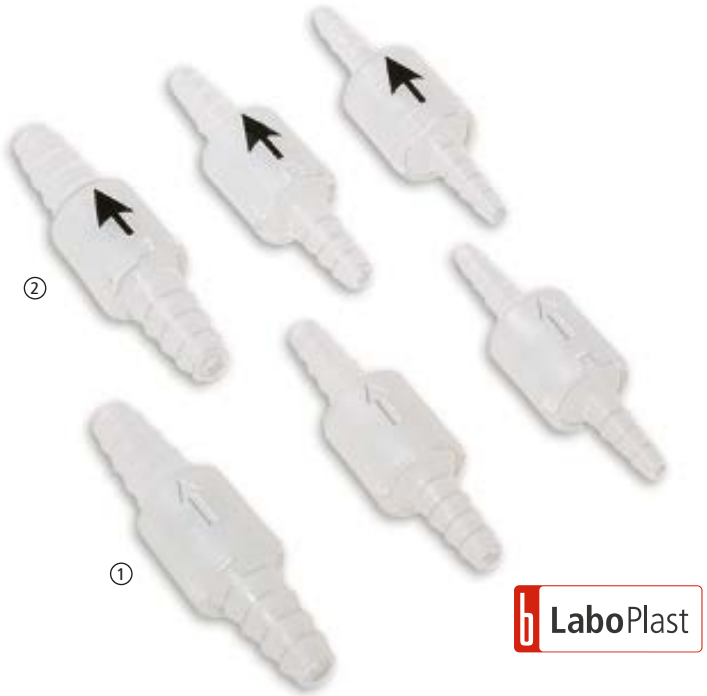
Simple reflux nozzle with two-sided hose nozzle.

- HDPE natural
- Resistant to acids and chemicals
- Pressure resistant up to 0.3 bar

Hose tubing stop-cock

For dia. mm	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
9-11	7	85		50		8614-0007	N4
12-15	9	97		50		8614-0009	N4

Non-return valves with conical inlet/outlet



Retaining valve with embossed directional arrow or printed in black. With conical nozzles. Various uses.

- Resistant to compression max. 4 bar
- Operating temperature +0 to +40 °C
- With PP valve ball, on request also with ball made of stainless steel or PTFE

Non-return valves PP

Valve made of PP and POM, seal made of EPDM, springs made of stainless steel 1.4401.

- Max. operating pressure 6 bar (at + 20°C)
- Max. operating temperature 80°C
- Pressure difference 12 mbar

Non-return valves with conical inlet/outlet

For dia. mm	Print	Price €	Quantity scale from	Scale price €	Item no.	
① 6-8	embossed		100		8714-0060	N4
① 8-10	embossed		100		8714-0080	N4
① 10-14	embossed		100		8714-0100	N4
② 6-8	black		100		8714-1006	N4
② 8-10	black		100		8714-1008	N4
② 10-14	black		100		8714-1010	N4

Non-return valves PP

Thread	Price €	Quantity scale from	Scale price €	Item no.	
1/2"		5		8540-0012	N3

Rapid couplings

Fast and safe connection for liquids, gases, compressed air and vacuum. Rapid couplings are the ideal when connecting and separating hoses, machines, apparatus, containers, etc. Top quality, with tested reliability, small space requirement, maximum possible flow, easy operation (single handed operation) and an elegant design distinguish the rapid couplings. They fulfil the most stringent requirements. The couplings are available in two different materials: POM (Polyoxymethylene) and PP (Polypropylene). The rapid couplings are available with a hose nozzle, hose screw joint, thread connector or as a built-in component for control panels, with or without stop-valve respectively.
The secure O-ring guarantees that rapid couplings are leakproof. All the couplings (female connections) and nipples (male connections) that are within the same flow range are interconnecting.

- Spring/lock Stainless steel V4A

Body POM:
- Seal (standard): Buna-N
- Operating pressure at 20 °C: with vacuum up to 10 bar
- Operating temperature: -40 °C to +80 °C

Body PP:
- Seal (standard): EPDM
- Operating pressure at 20 °C: up to 8 bar
- Operating temperature: 0 °C to +110 °C

Use

1. The couplings are simply connected to each other, automatically clicking into place and opening the valves.
2. When disconnecting, (one handed operation), the valves are automatically sealed, no leakage occurs.

Hose couplings, 100 % plastic (POM), **nw 6.4 mm**

Hose couplings, 100 % plastic (POM), nw 6.4 mm, **complete**

2 weeks

Model	Hose inner dia. mm	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
coupling, complete, without valve	6,4	hose nozzle	6,4	54		25		8780-1040	N3
coupling, complete, without valve	9,5	hose nozzle	6,4	54		25		8780-1060	N3

Hose couplings, 100 % plastic (POM), nw 6.4 mm, **male connections**, hose nipples with **hose nozzles**

2 weeks

Model	Hose inner dia. mm	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
nipple, without valve	6,4	hose nozzle	6,4	36		25		8782-1040	N3
nipple, without valve	9,5	hose nozzle	6,4	36		25		8782-1060	N3

Hose couplings, 100 % plastic (POM), nw 6.4 mm, **male connections, angled** nipples with **hose nozzle**

2 weeks

Model	Hose inner dia. mm	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
angled-nipple, without valve	9,5	hose nozzle	6,4	23		25		8783-1060	N3

Hose couplings, 100 % plastic (POM), nw 6.4 mm, **female connections**, hose couplings with **hose nozzles**

2 weeks

Model	Hose inner dia. mm	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
coupling, without valve	6,4	hose nozzle	6,4	34		25		8781-1040	N3
coupling, without valve	9,5	hose nozzle	6,4	34		25		8781-1060	N3

Hose couplings, 100 % plastic (POM), nw 6.4 mm, **female connections**, hose couplings with conical **external thread**

2 weeks

Model	Thread	Connector type	Nominal width mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.	
coupling, without valve	3/8" NPT	thread	6,4	35		25		8783-1062	N3

Rapid couplings, **nw 3.2 mm, female connections**

Rapid couplings, nw 3.2 mm, female connections, hose couplings with conical **external thread**

2 weeks

Thread	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
1/8" NPT	POM	with valve	26		25		8740-1122 N3
1/4" NPT	POM	with valve	28		25		8740-1142 N3
1/4" BSP	POM	with valve	28		25		8740-1141 N3
1/8" NPT	PP	with valve	26		25		8740-2022 N3

Rapid couplings, nw 3.2 mm, female connections, hose couplings with **hose nozzles**

2 weeks

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
3,2	POM	with valve	42		25		8741-1202 N3
4,8	POM	with valve	47		25		8741-1203 N3
6,4	POM	with valve	47		25		8741-1204 N3
3,2	POM	without valve	42		25		8741-1002 N3
4,8	POM	without valve	47		25		8741-1003 N3
6,4	POM	without valve	47		25		8741-1004 N3
3,2	PP	with valve	42		25		8741-2002 N3

Rapid couplings, nw 3.2 mm, female connections, hose couplings with **hose screw-joint**

2 weeks

Hose inner x outer dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
4 x 6	POM	with valve	44		25		8742-1104 N3
4 x 6	PP	with valve	44		25		8742-2004 N3

Rapid couplings, nw 3.2 mm, female connections, for plate mounting with **hose nozzle**

2 weeks

Hose inner dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
1,6	POM	with valve	13	36		25		8743-1101 N3
3,2	POM	with valve	13	42		25		8743-1102 N3
4,8	POM	with valve	13	47		25		8743-1103 N3
6,4	POM	with valve	13	47		25		8743-1104 N3
1,6	PP	with valve	13	36		25		8743-2001 N3
6,4	PP	with valve	13	47		25		8743-2004 N3

Rapid couplings, nw 3.2 mm, female connections, for **plate mounting with hole screw-joint**

2 weeks

Plate borehole dia. mm	Material	Model	Hose inner x outer dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
13	POM	with valve	4 x 6	44		25		8744-1104 N3
13	POM	without valve	4 x 6	44		25		8744-1004 N3
13	PP	with valve	4 x 6	44		25		8744-2004 N3

Rapid couplings, **nw 3.2 mm, male connections**

Rapid couplings, nw 3.2 mm, male connections, hose nipples with **external thread**

Thread	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
1/8" NPT	POM	without valve	15		25		8750-1022 N3
1/8" BSP	POM	with valve	22		25		8750-1121 N3

Rapid couplings, nw 3.2 mm, male connections, hose nipples with **hose nozzles**

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
1,6	POM	without valve	20		25		8751-1001 N3
3,2	POM	without valve	27		25		8751-1002 N3
4,8	POM	without valve	32		25		8751-1003 N3
6,4	POM	without valve	32		25		8751-1004 N3
1,6	POM	with valve	34		25		8751-1101 N3
3,2	POM	with valve	42		25		8751-1102 N3
4,8	POM	with valve	44		25		8751-1103 N3
6,4	POM	with valve	40		25		8751-1104 N3
1,6	PP	with valve	34		25		8751-2101 N3
3,2	PP	with valve	43		25		8751-2102 N3
6,4	PP	with valve	40		25		8751-2104 N3

Rapid couplings, nw 3.2 mm, male connections, hose nipple with **hose screw-joint**

Hose inner x outer dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
4 x 6	POM	without valve	37		25		8752-1004 N3
4 x 6	POM	with valve	37		25		8752-1104 N3
2 x 4	POM	with valve	27		25		8752-1142 N3
4 x 6	PP	with valve	37		25		8752-2104 N3

Rapid couplings, nw 3.2 mm, male connections, for **plate mounting with hose nozzle**

Hose inner dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
3,2	POM	with valve	13	41		25		8753-1102 N3
4,8	POM	with valve	13	46		25		8753-1103 N3
6,4	POM	with valve	13	46		25		8753-1104 N3

Rapid couplings, nw 3.2 mm, male connections, for **plate mounting with hose screw-joint**

Hose inner x outer dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
4 x 6	POM	with valve	13	43		25		8754-1104 N3

Rapid couplings, nw 3.2 mm, male connections, angled nipples with **hose nozzle**

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
3,2	POM	with valve	28		25		8755-1102 N3
6,4	POM	with valve	28		25		8755-1104 N3
6,4	PP	with valve	28		25		8755-2004 N3

Rapid couplings, **nw 6.4 mm, female connections**

Rapid couplings, nw 6.4 mm, female connections, hose couplings with conical **external thread**

2 weeks

Thread	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
1/4" BSP	POM	without valve	29		25		8760-1041 N3
1/4" NPT	POM	without valve	29		25		8760-1042 N3
3/8" BSP	POM	without valve	29		25		8760-1061 N3
1/4" BSP	POM	with valve	29		25		8760-1141 N3
1/4" NPT	POM	with valve	29		25		8760-1142 N3
1/4" NPT	PP	with valve	29		25		8760-2141 N3
3/8" NPT	PP	with valve	29		25		8760-2161 N3

Rapid couplings, nw 6.4 mm, female connections, hose couplings with **hose nozzles**

2 weeks

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
6,5	POM	without valve	50		25		8761-1040 N3
8	POM	without valve	50		25		8761-1050 N3
9,5	POM	without valve	50		25		8761-1060 N3
6,5	POM	with valve	50		25		8761-1140 N3
8	POM	with valve	50		25		8761-1150 N3
9,5	POM	with valve	50		25		8761-1160 N3
6,5	PP	with valve	50		25		8761-2140 N3
9,5	PP	with valve	50		25		8761-2160 N3

Rapid couplings, nw 6.4 mm, female connections, for **plate mounting with hose nozzle**

2 weeks

Hose inner dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
6,5	POM	without valve	19	50		25		8763-1040 N3
8	POM	without valve	19	50		25		8763-1050 N3
6,5	POM	with valve	19	50		25		8763-1140 N3
8	POM	with valve	19	50		25		8763-1150 N3
9,5	POM	with valve	19	50		25		8763-1160 N3
9,5	PP	with valve	19	50		25		8763-2160 N3

Rapid couplings, nw 6.4 mm, female connections, hose couplings with **hose screw-joint**

2 weeks

Hose inner x outer dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
4 x 6	POM	with valve	47		25		8762-1140 N3
8 x 10	POM	with valve	50		25		8762-1310 N3
6 x 8	POM	with valve	50		25		8762-1380 N3

Rapid couplings, **nw 6.4 mm, male connections**

Rapid couplings, nw 6.4 mm, male connections, hose nipples with **external thread**

2 weeks

Thread	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
1/4" NPT	POM	with valve	38		25		8770-1142 N3
1/4" BSP	POM	without valve	32		25		8770-1041 N3
1/4" NPT	POM	without valve	32		25		8770-1042 N3
1/4" NPT	PP	with valve	38		25		8770-2142 N3

Rapid couplings, nw 6.4 mm, male connections, hose nipples with **hose nozzles**

2 weeks

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
6,5	POM	without valve	32		25		8771-1040 N3
8	POM	without valve	32		25		8771-1050 N3
9,5	POM	without valve	32		25		8771-1060 N3
6,5	POM	with valve	47		25		8771-1140 N3
8	POM	with valve	47		25		8771-1150 N3
9,5	POM	with valve	42		25		8771-1160 N3
6,5	PP	with valve	47		25		8771-2140 N3
9,5	PP	with valve	42		25		8771-2160 N3

Rapid couplings, nw 6.4 mm, male connections, for plate mounting with **hose nozzle**

2 weeks

Hose inner dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
6,5	POM	without valve	19	35		25		8773-1040 N3
9,5	POM	without valve	19	47		25		8773-1060 N3
6,5	POM	with valve	19	49		25		8773-1140 N3
8	POM	with valve	19	49		25		8773-1150 N3
9,5	POM	with valve	19	49		25		8773-1160 N3

Rapid couplings, nw 6.4 mm, male connections, hose nipple with **hose screw-joint**

2 weeks

Hose inner x outer dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
4 x 6	POM	with valve	45		25		8772-1140 N3
6 x 8	POM	with valve	43		25		8772-1380 N3
8 x 10	POM	with valve	43		25		8772-1310 N3
6 x 8	POM	without valve	35		25		8772-1280 N3

Rapid couplings, nw 6.4 mm, male connections, for plate mounting with **hose screw-joint**

2 weeks

Hose inner x outer dia. mm	Material	Model	Plate borehole dia. mm	Length mm	Price €	Quantity scale from	Scale price €	Item no.
4 x 6	POM	with valve	19	45		25		8774-1140 N3
6 x 8	POM	with valve	19	49		25		8774-1380 N3

Rapid couplings, nw 6.4 mm, male connections, angled nipples with **hose nozzle**

2 weeks

Hose inner dia. mm	Material	Model	Length mm	Price €	Quantity scale from	Scale price €	Item no.
6,5	POM	without valve	31		25		8775-1040 N3
9,5	POM	without valve	31		25		8775-1060 N3
9,5	POM	with valve	31		25		8775-1160 N3
6,5	PP	with valve	31		25		8775-2140 N3

- PP

Hose nozzle with strong outer thread.

Tube nozzles, fixed, external thread

Thread	Nozzle dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.
3/8″	12	7,5		20		8545-3812 N3
1/2″	13	8		20		8545-0012 N3
1/2″	16	10		20		8545-1216 N3
1/2″	20	13		20		8545-1220 N3
3/4″	12	7,5		20		8545-3412 N3
3/4″	16	10		20		8545-0034 N3
3/4″	20	13		20		8545-3420 N3
1″	25	19		10		8545-0100 N3

- Hose nozzle, PP
- Seal, EPDM

Hose nozzle with cap nut, inner thread.

Tube nozzles, with cap nut

Thread	Nozzle dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.
1/2″	13	9		20		8546-0012 N3
1/2″	16	10		20		8546-1216 N3
3/4″	10	6		20		8546-3410 N3
3/4″	12	7,5		20		8546-3412 N3
3/4″	13	8,5		20		8546-3413 N3
3/4″	16	10		20		8546-0034 N3
3/4″	20	13		20		8546-3420 N3
1″	25	20		10		8546-0100 N3

- PP

Hose angle bracket, 90°, with strong outer thread.

Tube bend, fixed, external thread

Thread	Nozzle dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.
1/2″	12	7,5		20		8547-0012 N3
1/2″	16	11		20		8547-1216 N3
1/2″	20	15		20		8547-1220 N3
3/4″	12	7,5		20		8547-0034 N3
3/4″	20	15		20		8547-3420 N3
3/4″	22	17		20		8547-3422 N3
1″	25	19,5		10		8547-0100 N3

- Hose angle bracket, PP
- Seal, EPDM

Hose angle bracket, 90°, with cap nut, inner thread and reducing nozzle.

Tube bend, with cap nut

Thread	Nozzle dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.
1/2″	12	7,5		20		8548-0012 N3
3/4″	12	7		20		8548-3412 N3
3/4″	16	11		20		8548-0034 N3
3/4″	20	15,5		20		8548-3420 N3
1″	25	19,5		10		8548-0100 N3

▸ PP

Hose angle bracket, 90°, with cap nut, inner thread and reducing nozzle.

Tube bend, with cap nut, white

Thread	Outlet dia. mm	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.
M29x1,75	9	15		20		8548-0020 N3
M36x3	10	20		20		8548-0025 N3
M42x3	11	25		10		8548-0030 N3

▸ PP

Container connector with outer thread, complete with EPDM seals, for easy mounting of thread in the sides of containers.

Container connection, white

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.
1/2″	13,5		20		8533-0012 N3
3/4″	18		10		8533-0034 N3
1″	24		20		8533-0100 N3

Hexagonal nut with inner thread.

Hexagonal nuts

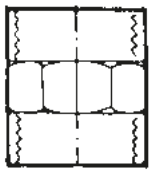
Thread	Material	Price €	Quantity scale from	Scale price €	Item no.
1/2″	HDPE		10		8537-0012 N3
3/4″	HDPE		10		8537-0034 N3
1″	HDPE		10		8537-0100 N3
2″	PP		10		8537-0200 N3

▸ PE

Flat seals made of Polyethylene, transparent fitting outer or inner thread.

Flat seals, PE

Thread	Model	Pieces per pack	Price €	Quantity scale from	Scale price €	Item no.
1/2″	fits outer thread	10		10		8538-0012 N3
3/4″	fits outer thread	10		10		8538-0034 N3
1″	fits outer thread	10		10		8538-0100 N3
2″	fits outer thread	10		10		8538-0200 N3
1/2″	fits inner thread	10		10		8539-0012 N3
3/4″	fits inner thread	10		10		8539-0034 N3
1″	fits inner thread	10		10		8539-0100 N3



Socket with inner thread.

▸ PP

Socket, inner thread

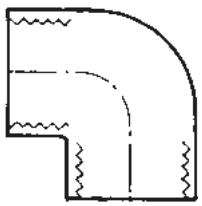
Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	19		10		8501-0012	N3
3/4"	23		10		8501-0034	N3
1"	28,5		10		8501-0100	N3

Nipple with outer thread.

▸ PP

Nipple, outer thread

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	13,5		10		8505-0012	N3
3/4"	18		10		8505-0034	N3
1"	23,5		10		8505-0100	N3

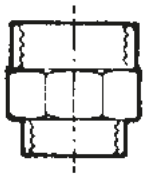


Angle bracket 90° with inner thread.

▸ PP

90° bend, inner thread

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	17,5		10		8515-0012	N3
3/4"	23		10		8515-0034	N3
1"	28,5		10		8515-0100	N3

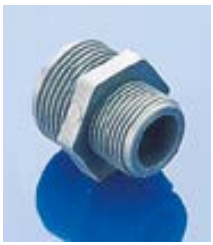


Socket, reduced with inner thread.

▸ PP

Socket, reduced

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2" - 3/4"	17,5		10		8502-1234	N3
3/4" - 1"	23		10		8502-3410	N3

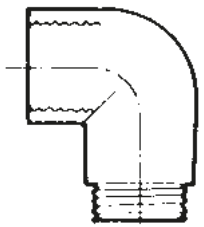


Nipple, reduced, with outer thread.

▸ PP

Nipple, reduced

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"-3/4"	13,5		10		8506-1234	N3
3/4"-1"	18		10		8506-3410	N3

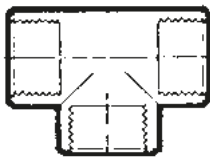


Angle bracket 90° with inner / outer thread.

▸ PP

90° bend, inner/outer thread

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	14		10		8516-0012	N3
3/4"	19		10		8516-0034	N3
1"	24,5		10		8516-0100	N3



T piece with inner thread.

- PP

T-piece

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	17,5		10		8525-0012	N3
3/4"	23		10		8525-0034	N3
1"	28,5		10		8525-0100	N3

Tube extension with outer thread. 8520-0012, -0034 length 152 mm, 8520-0100 length 162 mm.

- PP

Tube extensions

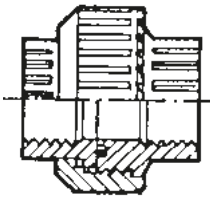
Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	12,5		10		8520-0012	N3
3/4"	18		10		8520-0034	N3
1"	23,5		20		8520-0100	N3

Container connector with outer thread, complete with EPDM seals, for easy mounting of thread in the sides of containers.

- PP

Container connection

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	13,5		10		8530-0012	N3
3/4"	18		10		8530-0034	N3
1"	24		10		8530-0100	N3

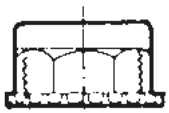


Screw joint with inner thread, enables easy disconnection of tube connections.

- PP

Screw joint

Thread	Nominal width mm	Price €	Quantity scale from	Scale price €	Item no.	
1/2"	17,5		10		8510-0012	N3
3/4"	21,5		10		8510-0034	N3
1"	26,5		10		8510-0100	N3

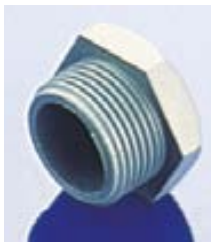


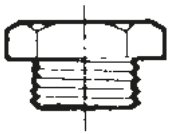
Closing cap with inner thread.

- PP

Cap

Thread	Price €	Quantity scale from	Scale price €	Item no.	
1/2"		10		8535-0012	N3
3/4"		10		8535-0034	N3
1"		10		8535-0100	N3





Threaded cap outer thread.

- PP

Stopper

Thread	Price €	Quantity scale from	Scale price €	Item no.	
1/2"		10		8536-0012	N3
3/4"		10		8536-0034	N3
1"		10		8536-0100	N3

VacuMan vacuum pump

VacuMan vacuum or pressure pump

Hand pump can be operated with one hand to create a vacuum or pressure, independent of a power supply (e.g. vacuum filtration, taking samples, dissipation of desiccators). Maintenance-free, self-lubricating, mainly corrosion resistant. Connection for hoses with 6.4 mm inner Ø. Available in PVC or aluminium for heavy duty.

- With or without gauge
- Sampling set with suction hose and sample container and adapter set for hoses from 5 to 14 mm available as accessory

- With gauge
- Adapter set for hoses from 5 to 14 mm available as accessory

VacuMan vacuum pump

Pressure gauge	Stroke approx. ml	Material	Vacuum mbar	Price €	Item no.	
no	32	PVC	- 850		5620-0360	N3
yes	16	PVC	- 850		5620-1180	N3
yes	32	PVC	- 850		5620-1360	N3

Accessories

Description	Price €	Item no.	
Adapter set for hoses from 5 to 14 mm		5620-0010	N3
Sampling set with suction hose and sample container		5620-0020	N3

VacuMan vacuum or pressure pump

Pressure gauge	Material	Stroke approx. ml	Vacuum mbar	Pressure max. bar	Price €	Item no.	
yes	PVC	16	- 850	+ 2		5620-2180	N3
yes	aluminium	16	- 850	+ 2		5620-2181	N3

Accessories

Description	Price €	Item no.	
Adapter set for hoses from 5 to 14 mm		5620-0010	N3
Sampling set with suction hose and sample container		5620-0020	N3

Water-jet pump

- PP, PTFE, FKM
- Continuous use temperature max. 80°C
- Incl. reducing piece to 1/2"

The water jet pump is used for withdrawing liquids and gases, and for creating a vacuum. Simple operation and easy cleaning. Very low water consumption, constant pressure and high suction.
Suction tube connection: Olive 6 – 9 mm outer Ø, screw cap GL 14.
Water consumption at 3.5 bar flow pressure and 12°C water temperature: approx. 190 l/hour at 3.5 bar (absolute). 6 l of water are needed to evacuate a 1 l pressure vessel from normal pressure to final pressure.
Suction capacity at 3.5 bar flow pressure and 12°C water temperature: 400 l/h evacuation time for a 1 l pressure vessel from normal pressure to 100 mbar: 60 sec. (± 10 sec.).
Final pressure at 3.5 bar flow pressure and 12°C water temperature: < 16 mbar.
The vacuum connection can be unscrewed and supplied adapters provide a variety of connection options to the water supply.

Water-jet pump

Price €	Quantity scale from	Scale price €	Item no.	
	10		9668-0200	N3

Accessories

Description	Price €	Item no.	
Reducing adapter 3/8"		9668-0010	N3
Reducing adapter M 22 x 1 (perlator thread)		9668-0011	N3

AirJet Mini vacuum pump/compressor

The AirJet Mini single-head membrane vacuum pump is suitable for a variety of applications in the laboratory and industry. The dry running membrane vacuum pump is able to pump, compact and evacuate 100% oil-free, which means it does not distort results or add impurities, and can also be used as a compressor.
The AirJet Mini is used to pump and evacuate air and neutral or slightly aggressive or corrosive gases and vapours.

- Weight 1.9 kg, dimensions LxWxH 164/90/141 mm
- Hose connection ID 4 mm
- Maintenance-free, environmentally friendly
- High level of gas tightness
- Very quiet with low vibrations

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

① AirJet Mini membrane vacuum pump/compressor

Model	Pump capacity approx. l/min	Vacuum mbar	Pressure max. bar	Price €	Item no.	
Membrane made of EPDM	6	100	2,4		5625-2000	N2
Membrane made of PTFE	5,5	160	2,5		5625-2001	N2

Accessories

Description	Price €	Item no.	
② AirJet Mini fine regulation head		5625-2002	N2
③ AirJet Mini sound absorber		5625-2003	N2

Desiccator

Desiccators made of plastic, break resistant, lightweight and suitable for vacuums. Stopcock suitable for vacuums up to 980 mbar. Base and desiccator plate made out of Polypropylene. Lid is crystal clear Polycarbonate with a non-return valve and a venting valve. O-ring seal made of Polychlorobutadiene-rubber. Continuous temperature max. + 60 °C.

- Hose connection fits hoses with inner Ø 8.5 mm
- Delivery incl. O-ring
- Perforated plate and additional O-rings available as accessories

Desiccator

Inner dia. mm	Outer dia. mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
150	175	190		5		9791-0150	N3
200	235	230		5		9791-0200	N3
250	285	300		5		9791-0250	N3

Accessories

Description	Price €	Item no.	
Perforated plates for desiccator for i.d. 150 mm		9791-0151	N3
Perforated plates for desiccator for i.d. 200 mm		9791-0201	N3
Perforated plates for desiccator for i.d. 250 mm		9791-0251	N3
O-ring for desiccator for i.d. 150 mm		9791-0152	N3
O-ring for desiccator for i.d. 200 mm		9791-0202	N3
O-ring for desiccator for i.d. 250 mm		9791-0252	N3

Mercury collector

Bürkle's mercury collector enables the easy collection of spilt mercury, which can then be used again. The mercury collector is composed of a tub with a screw cap lid that has a special plastic foam inserted. On pressing this foam gently on the spilt mercury, the foam's pores are opened and the mercury globules are absorbed. The cap is then screwed on the tub, the globules are released again and fall through the perforated separation into the tub.

Mercury collector

Price €	Quantity scale from	Scale price €	Item no.	
	10		9789-0001	N4

Accessories

Description	Price €	Item no.	
Spare plastic foam insert for mercury collector		9789-0002	N4

Eyes Fresh mini eyewash station

Mini eyewash station ideal for the lab, filling stations or all work places where aggressive substances are used. Eyes Fresh can be attached to any standard cold water tap. For normal use of the tap, just press the button and the function changes back from the eye wash (returns automatically to eyewash-function when the tap is closed). Can be fitted onto taps with M22x1, 1/2" or 3/8" outer thread.
With sufficient water pressure provided, performance according to DIN EN 15154-2.

Eyes Fresh mini eyewash station

DIN

Model	Price €	Quantity scale from	Scale price €	Item no.
Press button for normal use		5		2515-0100 N4

Eye rinsing bottle

Empty bottle for 600 ml contents, leakproof due to valve and dust protection cap. Instructions printed on (in German language), made of transparent PE.

Eye rinsing bottle

DIN

Price €	Quantity scale from	Scale price €	Item no.
	10		2507-2000 N3

Wall fixture

Price €	Quantity scale from	Scale price €	Item no.
	10		2507-2001 N3

HotGrip

Hand protection made of silicone rubber highly resistant to cold and heat. Protects fingers and hands from burns and freezing when working with apparatus which has extreme temperatures. HotGrip is resistant to temperatures from -50 °C to +200 °C (briefly up to +250 °C). Deep frozen, hot or even boiling substances and apparatus can be safely handled and positioned. Silicone rubber is extremely elastic and slip-proof, so that even smooth surfaced apparatus such as hot glass flasks can be securely gripped.

HotGrip						
Model	Colour	Price €	Quantity scale from	Scale price €	Item no.	
for the whole hand	red		10		9768-0001	N3
for thumb and one finger	white		10		9768-0002	N3
for thumb and 2 to 3 fingers	white		10		9768-0003	N3

Rubiflex protective gloves

With short or long gauntlet. Safe working with fats, mineral oils, solvents and many acids and alkalis.

- Made from nitrile rubber
- Very flexible, soft to the touch
- High abrasion and cut resistance
- Comfortable cotton interlock interior
- To standard EN 374

Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Rubiflex protective gloves						
Model	Length cm	Price €	Quantity scale from	Scale price €	Item no.	
standard	37		10		2507-0002	N3
long wrist	60		10		2507-0003	N3

Standard bungs silicone

The bungs are transparent, chemically-biologically neutral, food-safe according to BfR Recommendation XV and FDA § 177.2600.

- Temperature resistant from -60 °C to +200 °C, briefly to +230 °C
- Sterilisable
- Non-toxic

Standard bungs silicone rubber

Dia. bottom mm	Dia. top mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
5	9	20		100		9764-0610	N3
8	12	20		100		9764-0913	N3
10,5	14,5	20		100		9764-1115	N3
14	18	20		100		9764-1418	N3
17	22	25		100		9764-1621	N3
18	24	30		100		9764-1924	N3
21	27	30		100		9764-2227	N3
26	32	30		100		9764-2531	N3
29	35	30		100		9764-2834	N3

Standard bungs

Laboratory standard bung made of PVC with good chemical resistance against acids and alkalis.

- PVC, soft, red

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⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

Standard bungs

Dia. bottom mm	Dia. top mm	Height mm	Price €	Quantity scale from	Scale price €	Item no.	
7	10	18		100		9763-0610	N3
9	13	20		100		9763-0913	N3
11	15	20		100		9763-1115	N3
14	18	20		100		9763-1418	N3
16	21	24		100		9763-1621	N3
19	24	25		100		9763-1924	N3
22	27	24		100		9763-2227	N3
25	31	29		100		9763-2531	N3
28	34	30		100		9763-2834	N3
31	38	33		100		9763-3138	N3
34	41	35		100		9763-3441	N3
42	49	34		100		9763-4249	N3
46	53	39		100		9763-4654	N3

Bungs PE

Stopper made of PE, hollow with sealing rings and octagonal top.

- PE

Bungs PE

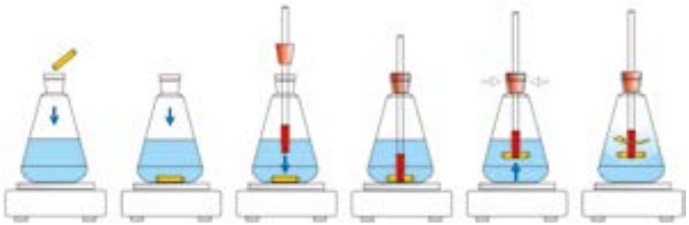
GGJ	Dia. bottom mm	Dia. top mm	Price €	Quantity scale from	Scale price €	Item no.	
7/16	5,9	7,5		100		9760-0716	N3
10/19	8,2	10		100		9760-1019	N3
12/21	10,4	12,5		100		9760-1221	N3
14/23	12,1	14,5		100		9760-1423	N3
19/26	16,4	19		100		9760-1926	N3
24/29	21,1	24		100		9760-2429	N3
29/32	25,8	29		100		9760-2932	N3
34/35	31	34,5		100		9760-3435	N3
45/40	41	45		100		9760-4045	N3

fish-clip

Compression-type bung made of silicone

Compression-type fitting

Compression-type fitting with NS core



With fish-clip cell cultures, abrasive media and other liquids that are sensitive to mechanical stress are gently stirred. No disruption of bi-ocatalysts such as enzymes or cells. No scratching the vessel base, no broken vessels resulting from magnetic stirrer bars "jumping about". Also suitable for narrow vessel openings. fish-clip can be used for gentle stirring in any type of vessel such as beakers, bottles, Erlenmeyer and round-bottom flasks.

- PVDF, autoclavable, excellent chemical resistance
- Rotor 15 mm Ø
- Gas tight
- Support rod length 250 mm
- Incl. stirring bar

Magnetic stirrer is not supplied.

fish-clip

Colour	Fits to stirring bar dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
blue	6		10		8280-0006	N4
red	8		10		8280-0008	N4

Accessories

Description	Price €	Item no.	
Compression-type in silicone for fish-clip, for NS 29/32		8280-0253	N4
Compression-type in silicone for fish-clip, for NS 19/26		8280-0257	N4
Compression-type fitting for fish-clip, GL 25, red		8280-0254	N4
Compression-type fitting for fish-clip, GL 32, grey		8280-0255	N4
Compression-type fitting for fish-clip, GL 25 with NS-cone 19/26		8280-0256	N4
Compression-type fitting for fish-clip, GL 32 with NS-cone 29/32		8280-0321	N4
Magnetic stirring bars, length 15 mm, dia. 6 mm		8271-1506	N3
Magnetic stirring bars, length 20 mm, dia. 6 mm		8271-2006	N3
Magnetic stirring bars, length 25 mm, dia. 6 mm		8271-2506	N3
Magnetic stirring bars, length 30 mm, dia. 6 mm		8271-3006	N3
Magnetic stirring bars, length 40 mm, dia. 8 mm		8271-4008	N3
Magnetic stirring bars, length 50 mm, dia. 8 mm		8271-5008	N3

Magnetic stirring bars

Cylindrical stirring bars with smooth surface, many uses.

- PTFE opaque
- Max. use temperature +270°C
- High performance permanent magnets and long lifespan

Magnetic stirring bar set consists of 10 of the most standard bars, complete with crystal clear box.

- 1 of each 15 x 6 mm, 30 x 7mm
- 2 of each 20 x 7 mm, 25 x 7 mm, 40 x 7 mm, 50 x 7 mm

Magnetic stirring bars

Length mm	Dia. mm	For fish-clip	Price €	Quantity scale from	Scale price €	Item no.
15	6	yes		10		8271-1506 N3
20	6	yes		10		8271-2006 N3
20	7	no		10		8271-2007 N3
25	6	yes		10		8271-2506 N3
25	7	no		10		8271-2507 N3
30	6	yes		10		8271-3006 N3
30	7	no		10		8271-3007 N3
40	7	no		10		8271-4007 N3
40	8	yes		10		8271-4008 N3
50	7	no		10		8271-5007 N3
50	8	yes		10		8271-5008 N3
80	10	no		10		8271-8010 N3

Magnetic stirring bar set

Model	Price €	Quantity scale from	Scale price €	Item no.
set incl. ten bars		5		8271-1000 N3

Stirring paddle

Stirring paddle made of polypropylene for gentle stirring in plastic and glass containers.

- PP
- Shatterproof
- Warp resistant
- Total length 1,17 m or 1,71 m

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Stirring paddle

Length mm	Width mm	Total length cm	Price €	Item no.
155	130	117		8203-2100 N3
190	167	171		8203-3150 N3

Chemical resistance

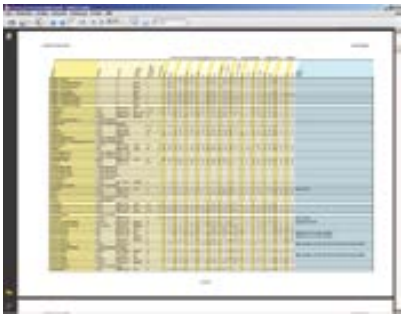
Chemicals	Formula	CAS-No.	Concentration	Hazard note	Inflammable	Plastics																										
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HARD	PVC SOFT	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM	FPM/FKM	NBR	SI	AL	V2A	V4A
Acetone	C_3H_6O	000067-64-1		F, Xi	X	1/1	3/3	1/0	4/4	4/4	2/3	1/3	1/3	4/4	4/4	4/4	0/0	4/4	2/3	(1)	1/1	3/4	1/0	4/4	4/4	0/0	1/1	1/1	1/1
Calcium chloride	$CaCl_2$	010043-52-4	aqueous	Xi		1/1	1/1	1/0	1/0	1/0	1/1	(3)	1/1	1/1	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	3/3	1/2L	1/2L
Chlorine	Cl_2	007782-50-5	10 % wet	T		3/4	3/4	4/4	2/3	4/4	2/4	4/4	4/4	4/4	4/4	1/2	0/0	4/4	1/1	1/1	1/1	(2)	2/0	3/0	4/4	0/0	4/4	4/4	4/4
Chloroform	$CHCl_3$	000067-66-3	100 %	Xn		3/4	4/4	3/4	4/4	4/4	4/4	4/4	3/4	4/4	4/4	4/4	4/4	4/4	2/3	1/1	1/1	1/1	4/4	3/4	4/4	0/0	(3)	1/1	1/1
Developer for fotos	—	—		?		1/3	1/1	4/4	(2)	1/0	0/0	1/3	1/2	0/0	1/0	1/3	1/0	0/0	0/0	(1)	1/1	1/1	3/0	1/0	1/0	0/0	1/1	1/0	1/0
Ethyl alcohol	C_2H_6O	000064-17-5	96 %	F	X	1/0	1/3	1/0	1/3	1/1	1/2	1/2	1/1	3/4	1/2	1/3	3/0	1/3	1/1	1/1	1/1	1/1	1/0	3/0	3/3	0/0	1/1	1/1	1/1
Formaldehyde solution	CH_2O	000050-00-0	40 %	T		1/2	2/3	1/3	1/2	1/0	1/2	1/2	1/2	4/4	2/3	2/3	3/3	0/4	1/1	1/1	1/1	1/1	1/0	3/0	(3)	0/0	1/1	1/1	1/1
Formic acid	CH_2O_2	000064-18-6	98-100 %	C		1/1	1/2	4/4	3/4	0/0	1/3	4/4	1/3	3/4	3/3	3/4	1/3	3/4	1/1	(1)	1/1	1/1	3/4	4/4	4/4	0/0	1/0	1/3	1/2
Fuel oil	—	—		Xn		3/3	3/4	1/0	3/3	1/0	2/3	1/1	1/3	3/4	1/2	1/1	3/3	1/1	1/1	1/1	1/1	1/1	4/4	1/1	1/1	0/0	1/1	1/1	1/1
Gasoline	C_5H_{12}-$C_{12}H_{26}$	086290-81-5		F, Xn, N	X	2/3	3/4	1/0	3/3	(2)	2/3	1/2	3/4	4/4	3/3	2/4	0/0	0/4	1/1	1/1	1/1	1/1	4/4	(1-3)	3/0	0/0	1/1	1/1	1/1
Hydrogen chloride	HCl	007647-01-0	35 %	C		1/1	1/1	4/4	4/4	(4)	1/2	4/4	1/2	3/3	1/1	2/3	3/3	1/3	1/1	1/1	1/1	1/1	3/0	1/2	4/4	0/0	4/4	4/4	4/4
Hydrogen fluoride	HF	007664-39-3	70 %	T+, C		0/0	1/3	4/4	4/4	4/4	0/0	4/4	1/3	4/4	4/4	1/4	3/0	0/0	0/0	(1)	1/1	1/1	3/4	(3)	4/4	0/0	4/4	4/4	4/4
Isopropyl alcohol	C_3H_8O	000067-63-0	techn. pure	F	X	1/1	1/1	1/0	1/2	1/0	1/2	1/0	1/1	2/2	1/2	1/2	4/4	1/4	1/1	1/1	1/1	1/1	1/0	1/1	3/3	0/0	(2)	(1)	(1)
Methyl ethyl ketone (MEK)	C_4H_8O	000078-93-3		F	X	1/3	3/4	1/0	4/4	4/4	4/4	1/2	1/3	4/4	4/4	4/4	4/4	4/4	2/3	1/1	1/1	3/4	3/0	4/4	4/4	0/0	(1)	(1)	(1)
Nitric acid	HNO_3	007697-37-2	50 %	C+		2/4	3/4	4/4	4/4	(2)	2/4	4/4	3/4	4/4	2/3	2/3	0/0	0/3	1/1	1/1	1/1	1/1	4/4	1/0	4/4	0/0	4/4	1/2	1/2
Nitrohydrochloric acid	HNO_3 + HCl	008007-56-5		C		4/4	4/4	4/4	4/4	4/4	3/3	4/4	4/4	4/4	4/4	4/4	4/4	3/4	1/1	(2)	1/1	3/0	4/4	4/4	4/4	0/0	4/4	4/4	4/4
Phosphoric acid	H_3PO_4	007664-38-2	85 %	C		1/1	1/1	4/4	1/2	0/0	1/2	4/4	1/2	1/2	1/1	1/2	1/1	1/2	1/1	1/1	1/1	1/1	3/0	1/1	4/4	0/0	4/4	2/4	1/3
Sodium hydroxide	NaHO	001310-73-2	50 %	C+		1/1	1/1	1/0	4/4	4/4	1/1	1/3	1/1	2/2	1/1	1/2	0/0	0/3	1/1	1/1	1/1	3/3	1/0	3/4	3/3	0/0	4/4	1/3	1/3
Spirits of Turpentine	—	008006-64-2		Xn	X	2/2	3/4	1/0	4/4	1/0	3/3	1/1	4/4	4/4	4/4	2/3	4/4	3/3	1/1	1/1	1/0	1/3	4/4	1/1	3/3	0/0	1/1	1/1	1/1
Sulfuric acid	H_2SO_4	007664-93-9	95 %	C+		3/4	3/4	4/4	4/4	4/4	2/2	4/4	3/4	4/4	4/4	2/4	0/0	4/4	1/1	1/1	1/1	1/1	4/4	1/1	4/4	0/0	4/4	1/3	1/3
Tetrachloroethylene	C_2Cl_4	000127-18-4		Xn		4/4	4/4	4/4	4/4	4/4	3/4	4/4	1/3	4/4	4/4	4/4	4/4	4/4	3/3	1/1	1/1	1/1	1/1	4/4	2/3	4/4	0/0	(3)	0/0	0/0
Trichloroethylene (TRI)	C_2HCl_3	000079-01-6	100 %	Xn		3/4	4/4	3/0	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	0/4	1/2	1/1	1/0	1/1	4/4	1/3	4/4	0/0	1/3	1/1L	1/1L
Vinegar	$C_2H_4O_2$	000064-19-7		(Xi)		1/1	1/3	4/4	1/2	1/1	1/0	1/3	1/1	1/0	1/0	1/0	3/0	1/1	1/1	1/1	1/1	1/1	1/0	3/3	3/3	0/0	1/3	1/2	1/2
Xylene	C_8H_{10}	001330-20-7		(F), Xn	X	3/4	3/4	1/0	4/4	0/0	3/4	1/2	4/4	4/4	4/4	4/4	4/4	4/4	1/2	1/1	1/0	1/3	4/4	1/3	4/4	0/0	1/1	1/1	1/1

Two values are given per substance, left number = value at + 20 °C, right number = value at + 50 °C.
1 = resistant, 2 = practically resistant, 3 = partially resistant, 4 = not resistant, 0 = no data available.
K = no general information available; L = danger of pitting or stress-cracking corrosion, values in parentheses are estimated values.
Hazard notes: C = caustic; F = inflammable; F+ = highly inflammable; O = fire-promoting; T = poisonous; T+ = very poisonous; Xn = slightly poisonous; Xi = irritant

Important note

The tables headed "Chemical resistance of plastics" and "Properties of plastics materials" have been compiled from information from various producers of raw materials. The figures relate exclusively to laboratory tests on raw materials.
Plastics items made from these materials are often subject to influences which cannot be detected in a laboratory test (temperature, pressure, stresses in the material, chemical substances, design features, etc.). For these reasons the figures quoted can serve only as a guideline. In case of doubt we strongly recommend that a test be carried out. No legal claims can be derived from these figures and we disclaim all liability. The chemical and mechanical resistance of a product does not suffice for the assessment of its suitability for use, for example legislation on flammable liquids (explosion protection) is to be taken into particular consideration.

Detailed table can be downloaded free of charge



- More than 1600 media
- With viscosity table
- CAS numbers
- Simple operation
- Free of charge
- Download address: www.buerkle.de/en/chemical-resistance

Plastics technology | overview of chemical resistance

EPDM	Ethylene propylene diene monomer	**PA**	Polyamide	**PSU**	Polysulfone
FEP	Fluorinated ethylene-propylene (Teflon, FEP)	**PC**	Polycarbonate	**PTFE**	Polytetrafluoroethylene
PETG	Polyethyleneterephthalate	**PFA**	Perfluoro-alkoxy (Teflon, PFA)	**PVC**	Polyvinylchlorid
FPM/FKM	Fluoroelastomer (Viton)	**PMP**	Polymethylpentene (TPX)	**PVDF**	Polyvinylidenfluoride
HDPE	High-density polyethylene	**PP**	Polypropylene	**SAN**	Styrene-acrylnitrile
LDPE	Low-densitiy polyethylene	**PS**	Polystyrene	**SI**	Silicone rubber

Plastics abbreviations	Temperature max. °C [1]	Temperature min °C [2]	Sterilization [5] steam [4] 121°C	Sterilization [5] gas ethyleneoxide	Sterilization [5] radiation 2.5 kGy	Sterilization [5] chemical formalin,ethanol	Transparency	Flexibility	Specific weight g/cm³	Water absorption %
EPDM	+ 120°	- 30°	yes	no	yes	yes	transparent	excellent	0.88	0.01
FEP	+ 205°	- 255°	yes	yes	no	yes	transparent	very good	2.15	< 0.01
FPM	+ 200°	- 20°					black	good	1.90	
HDPE	+ 110°	- 50°	no	yes	yes	yes	transparent	stiff	0.95	0.01
LDPE	+ 95°	- 50°	no	yes	yes	yes	transparent	excellent	0.92	0.01
PA	+ 90°	- 0°	no	yes	yes	yes	transparent	stiff	1.13	1.30
PC	+ 135°	- 135°	yes	yes	yes	yes	clear	rigid	1.20	0.35
PFA	+ 250°	- 270°	yes	yes	no	yes	transparent	excellent	2.15	0.03
PMP	+ 175°	- 150°	yes	yes	yes	yes	glass-clear	stiff	0.83	0.01
PP	+ 135°	0°	yes	yes	no	yes	transparent	stiff	0.90	0.02
PS	+ 70°	- 20°	no	no	yes	yes	glass-clear	stiff	1.05	0.05
PSU	+ 165°	- 100°	yes	yes		yes	clear	stiff	1.24	0.30
PTFE	+ 270°	- 270°	yes	yes	no	yes	white	excellent	2.25	< 0.01
PVC	+ 70°	- 30°	no[3]	yes	no	yes	clear	stiff	1.35	0.06
PVDF	+ 160°	- 4°	yes	yes	yes	yes	transparent	stiff	1.78	0.04
SAN	+ 95°	- 40°	no	yes	no	yes	glass-clear	stiff	1.03	0.05
SI	+ 180°	- 60°	yes	yes	no	yes	transparent	excellent	1.10	
PETG	+ 70°	+ 5°	no	?	?	yes	glass-clear	stiff	1.78	0.70

[1] Even higher for short periods

[2] Brittle temperature

[3] Except PVC hoses, which can be sterilized with steam at a temperature of 121 °C

[4] Frequent steam sterilization reduces mechanical stability!

[5] Clean apparatus with distilled water first (to avoid stress cracking corrosion). In the case of closed vessels, remove or slightly open lid, do not close lid tight again until the vessel has cooled down.

Substance class at 20 °C	ABS	ECTFE	HDPE	LDPE	PA	PC	PMP	PP	PS	PTFE/FEP/PFA	PVC	SAN	SI
Aldehydes	-	+	+	+	0	0	0	+	-	+	-	-	0
Alcohols alipathic	+	+	+	+	0	+	+	+	+	+	+	+	+
Esters	-	+	0	0	+	-	0	0	-	+	-	-	0
Ethers	-	+	0	-	+	-	-	-	-	+	-	-	-
Ketones	-	0	0	0	+	-	0	0	-	+	-	-	
Carbohydrates													
aliphatic	-	+	+	0	+	0	0	+	-	+	+	-	-
aromatic	-	+	+	0	+	-	-	0	-	+	-	-	-
halogenated	-	+	0	-	0	-	-	0	-	+	-	-	-
Acids, weak/dilute	0	+	+	+	0	0	+	+	0	+	+	0	0
Acids, strong/concentrated	-	+	+	+	-	-	+	+	0	+	+	-	-
Acids, oxidising	-	0	0	0	-	-	0	0	-	+	-	-	-
Bases	0	+	+	+	0	-	+	+		+	+	+	+

+ = excellent chemical resistance
The substance does not result in any damage to the plastic after 30 days of permanent contact. The plastic may remain resistant for years.

0 = good/limited chemical resistance
Within 7 to 30 days of permanent contact, the substance provokes minor damage which may be reversible (softening, swelling, reduction of mechanical strength, discolourations).

- = low chemical resistance
Not suitable for permanent contact with this substance. Damage to the plastic may occur immediately (reduction of mechanical strength, deformation, discolourations, splits, dissolution, risk of breakage).

Suitable thread adapters | for many container threads

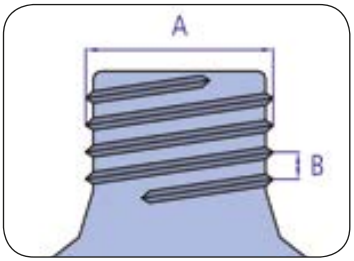
Plastic barrels and containers can have a wide range of thread types. Some are standardized according to DIN, BSI or US standards. Other threads are manufacturer-specific. We can supply suitable adapters for most containers so that discharge valves, pumps and other accessories can be safely attached.
Various steps are necessary in order to select the correct adapter. Proceed as follows:

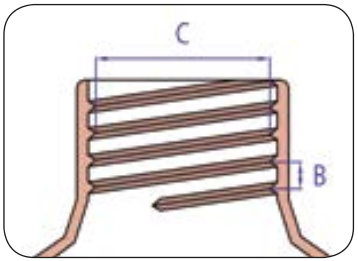
1. **First use the thread table to select the container thread.**
   If possible use calipers for the measurement, although most threads can be measured accurately enough with a ruler.
   If your container has an outer thread you will require an adapter with an inner thread. Containers with an inner thread require adapters with an outer thread.

2. **In the Adapter overview on page 28 you will find the suitable adapter.**
   All thread descriptions refer directly to the adapter. This means that if your container has a ¾" outer thread you will require an adapter with a ¾" inner thread. If you cannot find the necessary adapter here, or if you cannot determine the thread size, just send use a screw cap and we will send you a suitable adapter.

Example
Your container thread is an outer thread with a diameter of 71 mm. You want to use a PP barrel pump with a barrel screw joint. Use the thread table to determine the type of thread. As it is a 71 mm thread you will require an adapter with a 71 mm inner thread. The barrel screw joint thread is 2" BSP outer. This means that you need an adapter from 71 mm inner to 2" BSP inner. In the Adapter table on page 28 you will then find the corresponding article number 0600-1003.

	Internal thread
⑫	35 mm - 2" BSP
⑬	51 mm - 2" BSP
⑭	DIN 61 - 2" BSP
⑮	63 mm - 2" BSP
⑯	DIN 71 - 2" BSP





Threads overview

A mm	B mm	C mm	Thread description	Thread type
53	5	50,5	51 mm, **DIN 51*)**	sawtooth
59-60	6	55,8	60 mm, **DIN 60**	sawtooth
61	6	55,8	61 mm, **DIN 61**	sawtooth
71	6	66,5	71 mm, **DIN 71**	sawtooth
59	2,2	57,5	2" BSP/**R2" steel drum fine thread**	sawtooth
64,5	5	60	63 mm, **64 mm BSI**	sawtooth
33,5	3	32,7	35 mm	round/std.
69,5	5,5	65	2" coarse thread Mauser L-Ring	sawtooth
56	3,5	52,5	Tri-Sure/**2" coarse thread v. Leer/Tri-sure**	sawtooth
63,2	4,25	57,5	US drum thread	sawtooth

*) old and alternative thread names are printed **semibold**

Packaging containers with UN approval

What is a container with UN approval?
The person who fills a package with hazardous materials is responsible for its safety on dispatch. In a UN approved container you can transport hazardous goods safely without having to repack them and thus save costs.

What is "UN-approved"?
The UN has drawn up a list of more than 6000 hazardous substances classified according to the risk that they represent; this determines their packaging group. Packaging group I (X) corresponds to a high degree of risk represented by the contents, e.g. very corrosive substances; packaging group II (Y) a medium degree of risk and packaging group III (Z) less hazardous substances.

The UN approval describes the type of packaging to be used for the transport of hazardous substances. The certificate is issued by recognized material testing institutes. In mass production the manufacturer must guarantee that the product meets the specifications for the type of packaging and that the packaging is manufactured and tested according to a quality assurance program recognized and monitored by the registration office.

Test criteria (limits must not be infringed)
- chemical compatibility
- temperature
- flash point < 61 °C
- drop height
- pressure (i.e. vapor pressure of the contents plus partial pressure of any gases that may be present)
- packaging groups I, II, III (density kg/l)
- shelf life from filling date (if applicable)

Approval numbers
- The identification contains the symbol for UN-tested packaging, the code for the container material, packaging group, test pressure in kPa, year of manufacture, country of approval, registration office, approval number and manufacturer.
- If the approval number contains a letter (e.g. F or S) in the position that would otherwise be occupied by the test pressure in kPa then the packaging is only approved for use with solids, not with liquids.
- New approval numbers apply for all types of transport, i.e. there is no longer any limitation to road, rail, sea or air transport.

(UN)	1B1	/ X /	250	/ 15 /	D /	BAM 1234 XYZ
Symbol for UN-tested packaging	Code for the container material	Packaging group	Test pressure in kPa	Year of manufacture and country of approval		Registration office, approval number and manufacturer

Wide-neck reagent bottle
rectangular/space-saving, sturdy, with UN approval for solids

see page **167**

Transport bottle
UN-certified bottle for chemicals

see page **177**

Aluminum bottle

see page **178**

Aluminium bottle
with UN-approval for the transport of dangerous goods

see page **179**

Jerrycans
stackable, made of transparent HDPE, space-saving

see page **188**

Jerrycans
electrically conductive

see page **189**

Wide-mouth containers
extra-wide opening for secure filling

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Variable: Transform from funnel stand to pipette stand!

Thanks to an innovative magnet concept no clamping screws are necessary. The height can be adjusted easily and flexibly with one hand.

Sturdy and stable funnel stand, resistant to chemicals, shatter-proof and with continuously variable height adjustment.

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Frame for pipettes with two rotating perforated plates and drip pan.

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The stand for sedimentation funnels is used to keep, hold or store Imhoff funnels safely and reliably during sedimentation.

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