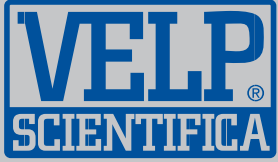




Lab Solutions

# Stirring Line





## Lab Solutions

The continuously evolving scientific world requires ever more strict controls be performed by reliable equipment to ensure accurate and precise experimental conditions.

VELP Scientifica is dedicated to meet those requirements, starting with the basic equipment essential for analytical work.

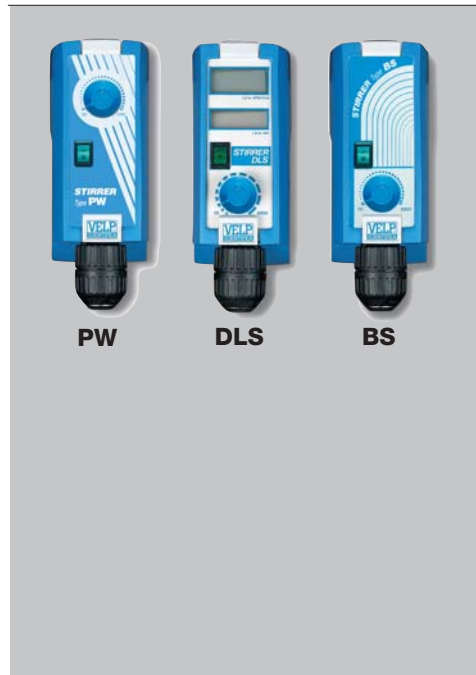
Velp's stirring equipment is manufactured according to international design and safety standards to protect you and the environment. The best components available, together with innovative manufacturing techniques, allow us to offer reliable, simple-to-use equipment.

## Stirring Line



**Shafts**  
Wide range of shafts are available for various applications.

## Overhead stirrers



Velp Scientifica's stirrers are manufactured using advanced techniques that comply with international standards. High torque, microprocessor control, electronic safety circuitry and slow start speed allow highly viscous liquids to be stirred in complete safety. Some models equipped with Digital display.

Velp's stirrer include an innovative, hand-tight chuck with safety closure. Stirrers are available with 35 W, 60 W and 120 W motors. DLS, LH, and DLH models offer an automatic speed compensation for changing solution viscosity thus increasing the motor durability.

- Silent operation
- Safety
- Sturdy
- Microprocessor-controlled
- Accurate design
- Limited weight
- Digital displays



LH

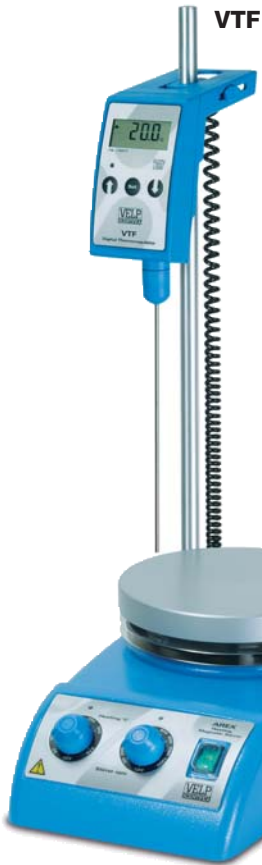
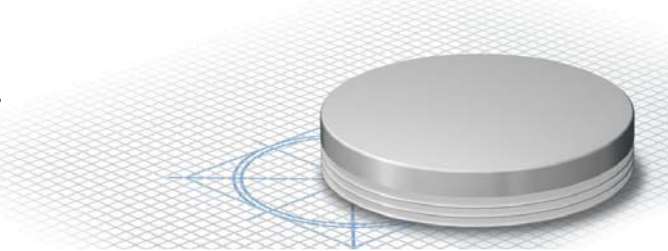
DLH

ES

**Digital Thermoregulator Vertex Type VTF  
"FUZZY LOGIC" Technology**

**Features and Benefits:**

- Highly automated:
  - Programming and monitoring of the liquid's temperature (-10° to +300°C)
  - Unique set up time function
- Automatic shut down of the thermoregulation
- Friendly probe positioning
- Safe: High electric protection degree IP54



VTF

**Heating Magnetic Stirrers**

A wide range of single and multiposition models with various controls and stirring volumes.

**Availability:**

- Thermoregulation with connection of digital thermometer (AREX)
- Individually controlled multiposition (AM4)
- Timer regulation with automatic shut down (T.ARE)
- Large diameter heating plates and high stirring capacity (ARED)
- Electronic controlled speed stirring
- High electrical protection degree
- Ceramic heating plate (AREC)



AREC



AREX

ARE



RC



AM4



RC2



ARED

T.ARE

**HEATING PLATES**

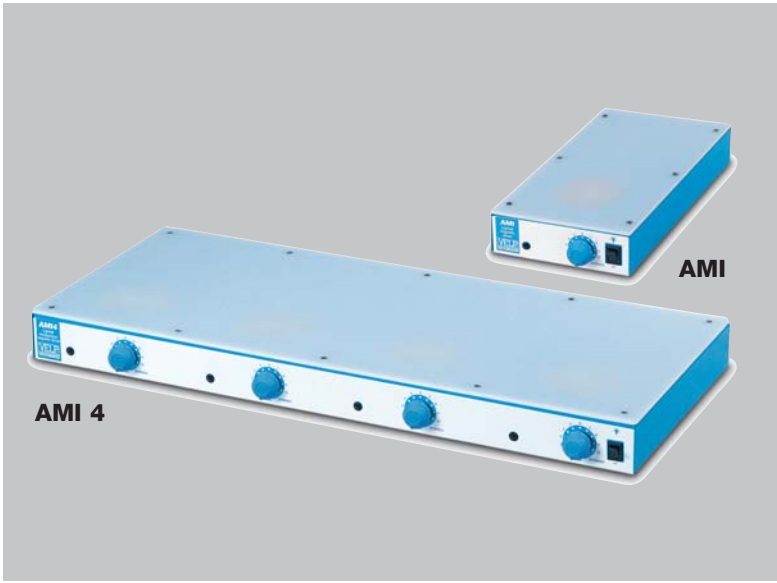
Models RC (single place) and RC2 (two places) are characterized by heating power.

**Thermal Stability and Efficient Heating Plates**

- Heating plate manufactured from aluminium, allowing:
  - optimum control also at low temperatures
  - uniformity of heating
  - very stable temperatures
- High durability with coating protection, allowing:
  - efficient heat transmission
  - high resistance to chemical attack

- The housing of the unit is made of higher chemical resistant epoxy resin coated aluminium to ensure safety and ease of cleaning and maintenance
- An advanced electronic system controls the operating functions

**Lighted magnetic stirrers**



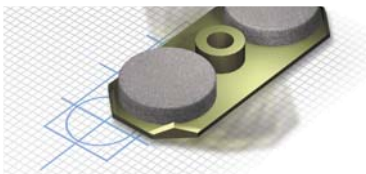
Available in single or four places, the units have separate speed controls. Designed for colour change titrations, these stirrers provide optimum lighting for checking the titration end point.

The ultra-thin stirrer has no moving mechanical components. Silent operation and no heat generation are few of the advantages of these new style stirrers.

**Magnetic stirrer without motor**



**ESP**



**VELP COMPOSITE MAGNET**

**Features and Benefits:**

- Concentrates the energy of magnetic flux
- Produces a strong attraction without vibrations



**Magnetic Stirrers**

We offer a selection of models for low, medium and large volumes. MST and MICROSTIRRER models are designed specifically for microtitration stirring in low volumes. MULTISTIRRER 6 and 15 models are able to stir large number of samples at the same time and with the same conditions.



**ATE**



**AGE**



**MST**



**MICROSTIRRER**

**Magnetic Stirrers**



**MULTISTIRRER 15**



**MULTISTIRRER 6**

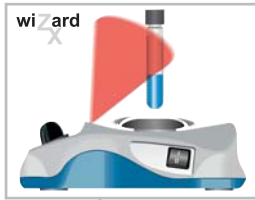
**Vortex Evolution....looking at the future!**

**Vortex Wizard**

Completely New Concept In Liquid Mixing  
The use of optic technology for vortexing, creates a unique solution applying touch-less vibration system (Patent Pending).  
The Wizard is an ergonomic user friendly, novel design vortex, needed on every laboratory bench.

Two operation mode:

- SENSOR activates in a automatic way the stirring when the test tube enters in the space of the field of the interception of the optic system without applying any pressure
- CONTINUOUS allows to work in continuous way with different accessories



**SENSOR**  
Infra red motion detector (IR) to activate in a "no-touch" mode greatly reduces work load on lab technician.  
No need to apply pressure

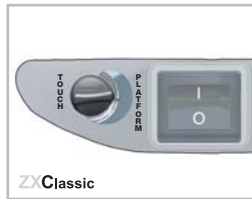


**WIZARD**

**WIZARD & CLASSIC Features and Benefits:**

- Enhanced bench top stability resulted from a low profile design
- Wide range of accessories for various applications
- Microprocessor control of ramping speed (from 50 to 3000 rpm)
- Water and chemical resistant key-pad
- Very high protection class IP42
- Orbital diameter 4,5 mm

**TOUCH-PLATFORM**  
Classic is also provided with a specific lever (TOUCH-PLATFORM) which, correctly positioned, assures the best lab bench stability related to the selected operational mode



**CLASSIC**

**Vortex Classic**

Two operation mode:

- TOUCH permits to work in a automatic way by slightly pressing on the cup with the test tube
- CONTINUOUS allows to work in continuous way with different accessories

**Accessories**



**Velp Solution for general purposes!**



**Vortex Mixers**

Two versions of vortex mixers are available:  
ZX3 - Variable speed control with continuous and manual modes  
RX3 - Fixed speed with manual mode.

Model	Cod. N° 220-240V		Cod. N° 110-120V		Power W	Speed rpm	Temp. °C max	Heating plate Ø mm	Stirring capacity (liter H <sub>2</sub> O)	Weight kg	Dimensions mm (WxHxD)	Accessories
	50 HZ	60 HZ	50 HZ	60 HZ								
<b>MST</b>	F20300160		F20310160		1	10-1100	-	-	5	0,4	130x50x150	5
<b>Microstirrer</b>	F20300161		F20310161		2	10-1100	-	-	5	0,55	120x48x128	5
<b>Multistirrer 6</b>	F20300177		F20310177		8	50-850	-	-	0,4 (x6)	2,2	240x55x408	4,5
<b>Multistirrer 15</b>	F20300178		F20310178		15	50-850	-	-	0,25 (x15)	2,8	240x55x408	4,5
<b>AGE</b>	F20320164	F20330164	-	F20340164	40	10-1200	-	-	8	1,8	171x75x190	5
<b>ATE</b>	F20300165		F20310165		15	10-1100	-	-	25	3,7	250x120x285	5,6
<b>ESP</b>	F20600179		F20610179		6	50-1100	-	-	5	0,87	160x33x230	7
<b>WIZARD</b>	F202A0175		F202A0175		30	0-3000	-	-	-	2,4	180x70x220	27,28,29,30,31,33
<b>CLASSIC</b>	F202A0173		F202A0173		30	0-3000	-	-	-	2,4	180x70x220	27,28,29,30,31,32,33
<b>ZX3</b>	F20220176	F20230176	-	F20240176	45	2400	-	-	-	2	150x134x150	1,2,3
<b>RX3</b>	F20220171	F20230171	-	F20240171	45	0-40 Hz	-	-	-	2	150x134x150	-
<b>ARE</b>	F20520162	F20530162	-	F20540162	630	10-1200	370	155	15	2,9	165x115x280	5,6,10,11,12,13
<b>AREX</b>	F20500163		-	F20540163	650	10-1300	370	155	20	2,9	165x115x280	5,6,10,11,12,13
<b>VTF</b>	F208B0063*		-	-	-	-	-	-	-	0,250	75x145x120	8,9,25,26
<b>ARED</b>	F20520169	F20530169	-	F20540169	900	10-1200	370	180	25	3,1	190x110x245	5,6,10,11,12,13
<b>T. ARE</b>	F20520170	F20530170	-	F20540170	900	10-1200	370	180	25	3,1	190x110x245	5,6,10,11,12,13
<b>AREC</b>	F20500010		-	F20510010	830	10-1300	540	180x180	15	3,5	207x93x312	5,6,10,11,12,13
<b>AM4</b>	F20520166	F20530166	-	-	2550	10-1200	370	155	5 (x4)	8,3	715x115x220	5,6,10,11,12,13
<b>RC</b>	F20700174		-	F20710174	600	-	370	155	-	1,7	165x115x280	11,12,13
<b>RC2</b>	F20700172		-	F20710172	1200	-	370	155	-	3,3	340x90x190	11,12,13
<b>AMI</b>	F20400167		-	F20410167	20	10-1100	-	-	5	1,9	150x55x270	5
<b>AMI4</b>	F20400168		-	F20410168	50	10-1100	-	-	5 (x4)	6	600x55x270	5
<b>ES</b>	F20100152		-	F20110152	35	50-1300	-	-	15	1,7	80x160x200	14,15,16,17,18,19,20,21,22,23,24
<b>BS</b>	F20100151		-	F20110151	60	50-2000	-	-	25	2,8	80x215x196	14,15,16,17,18,19,20,21,22,23,24
<b>DLS</b>	F20100155		-	F20110155	60	50-2000	-	-	25	3	80x215x196	14,15,16,17,18,19,20,21,22,23,24
<b>LH</b>	F20100156		-	F20110156	120	50-2000	-	-	40	3,4	80x230x196	14,15,16,17,18,19,20,21,22,23,24
<b>DLH</b>	F20100157		-	F20110157	120	50-2000	-	-	40	3,5	80x230x196	14,15,16,17,18,19,20,21,22,23,24
<b>PW</b>	F20100150		-	F20110150	120	20-1200	-	-	70	3,4	80x230x196	14,15,16,17,18,19,20,21,22,23,24

\* Voltage 12V cc



Explore Velp world  
www.velp.com

Number	Description	Cod. N°	Number	Description	Cod. N°
1	Stand for microtiter	A00001047	17	Stirring shaft with floating blade, stainless steel	A00001304
2	Stand for 25 microvials 1,5 ml-Eppendorf type	A00001048	18	Stirring shaft with folding blade, stainless steel	A00001305
3	Supporting plate Ø 90 mm	A00001050	19	Stirring shaft with fixed blade, stainless steel	A00001306
4	Water tank thermostating samples, 408x240x85 mm	A00001055	20	Stirring shaft with propeller, stainless steel	A00001307
5	Magnetic stir bar, 6x35 mm	A00001056	21	Stirring shaft with paddle, 6 holes, stainless steel	A00001308
6	Magnetic stir bar, 9,5x60 mm	A00001061	22	Stirring shaft with turbine, stainless steel	A00001309
7	Magnetic stir bar, 10x40 mm	A00001060	23	Stirring shaft with turbo propeller, stainless steel	A00001310
8	Derivation element PW10	A00000001	24	Stirring shaft with anchor, stainless steel	A00001311
9	Probe extension cable, length 1 m	A00000002	25	Probe pliers Vertex	A00000004
10	Support rod	A00001069	26	Glass probe	A00000003
11	Hemispheric bowl for 250 ml flasks	A00001071	27	Foam stand for 19 vials 1.5 ml-eppendorf®	A00000012
12	Hemispheric bowl for 500 ml flasks	A00001072	28	Customizable soft foam top	A00000013
13	Hemispheric bowl for 1000 ml flasks	A00001073	29	Foam stand 5 test tubes Ø 16 mm	A00000014
14	Support rod and base	A00001300	30	Foam stand for microtiter	A00000015
15	Double clamp	A00001301	31	Small rubber supporting plate Ø 50 mm	A00000016
16	Ribbon clamp	A00001302	32	Big foam supporting plate Ø 94 mm	A00000017
			33	Foam stand 4 test tubes Ø 29 mm	A00000019



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