Looking for accurate and affordable laboratory equipment?

VELP is at hand.

ENVIRONMENTAL LINE  FOOD & FEED LINE  STIRRING LINE

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Take a look at the range of quality European Velp laboratory equipment. To find out more, call your local Rowe Scientific Pty Ltd consultant, or scan the QR code.

find out more about Velp products at:

www.rowe.com.au

ROWE SCIENTIFIC Pty Ltd
ABN 63 009 437 790

100% AUSTRALIAN OWNED
ENVIRONMENTAL LINE

BOD EVO SENSOR SYSTEM BIOCHEMICAL OXYGEN DEMAND (BOD)

Features:
• Wireless technology
• Signal passes through the incubator without the need to open it
• Results are recorded on your PC
• Total control over the unit and data management via BOD wireless Databox™ & BODSoft™ software
• Real time analysis

BOD analysis is widely used as an indication of the degree of organic pollution in water and is carried out on a given water sample at certain temperatures over a specific period.

COOLED INCUBATORS FTC & FOC SERIES

FTC 120 (Rowe Code IV4004)
• Constant temperature
• 20°C

FOC 120E
• Programmable temperature
• 3 - 50°C

FOC 120I
• Programmable temperature
• 3 - 50°C
• Internal transparent door

FOC 215E (Rowe Code II1461)
• Programmable temperature
• 3 - 50°C

FOC 215I (Rowe Code II1643)
• Programmable temperature
• 3 - 50°C
• Internal transparent door

Other models available

• Energy saving, A+ class cooling system
• Display showing internal temperature
• Auto-tuning thermoregulation system
• Wireless technology
• Total control over the unit and data management via BOD wireless Databox™ & BODSoft™ software
CHEMICAL OXYGEN DEMAND (COD)

ECO THERMOREACTORS

In order to determine both metallic and non-metallic elements in organic and inorganic materials such as minerals, alloys, animal feeds, soils, sediments and organic tissues, thermoreactors for COD analysis and sample preparations are used.

Features:
- Excellent temperature stability and homogeneity
- Different test tube sizes
- Programmable temperature and time

ECO 6
- 6 Positions (Dia 42 mm)
- Programmable temperature up to 200°C
- Digital display

ECO 8
- 8 Positions (Dia 16 mm)
  + 1 position (Dia 22 mm)
- Set temperatures 70, 100, 120, 150 and 160°C

ECO 16
- 14 Positions (Dia 16 mm) + 2 position (Dia 22 mm, programmable temperatures up to 160°C
- Digital display

ECO 25
- 25 Positions (Dia 16 mm)
- Set temperatures 70, 100, 120, 150 and 160°C

FLOCCULATORS, JAR TESTERS

Jar testing is a pilot-scale test of treatment chemicals used in particular water plants to determine the correct amount of reagents required, thus improving the plant's performance.

Features:
- Reproducible results
- Continuously variable stirring speed
- Height adjustable stirring blades during operation
- Easier reading with central lighting or back lighting

FP4 (Rowe Code IF1160)
- 4 position portable model
- Programmable speed up to 200 rpm
- Timer function

JLT 4 & JLT 6
(Rowe Codes IF1155 & IF1170)
- 4 or 6 position
- Programmable speed up to 300 rpm
- Digital display for speed or time setting

FC6S (Rowe Code IF1171)
- 6 position
- Individual programmable speed up to 200 rpm
- Also available FC4S (4 position)
STIRRING LINE

VELP Scientifica offers high performance and reliable laboratory instruments suitable for many applications and solutions.

MAGNETIC STIRRERS

**MST (Rowe Code IM2016)**
- White surface magnetic stirrer
- Single position
- 0-1,100 rpm
- 5 litres

**ESP (Rowe Code IM2013)**
- Ultra flat magnetic stirrer, no mechanical components
- Single position
- 0-1,100 rpm
- 5 litres

**MULTISTIRRER 6 or 15 (Rowe Codes IS2318 & IM2201)**
- Multiple positions magnetic stirrer
  - 6 or 15 positions
  - 50-850 rpm
  - 400 ml x 6 positions or 250 ml x 15 positions

**AMI4 (Rowe Code IM2296)**
- Illuminated magnetic stirrer
  - 4 positions (available single)
  - 0-1,100 rpm
  - 5 litres per position

HEATING MAGNETIC STIRRERS

**Round top series**

**ARE (Rowe Code IM2215)**
- Round top, Aluminium alloy
- Up to 1,200 rpm
- 370°C
- 15 litres

**AREX (Rowe Code IM2216)**
- Round top Aluminium with ceramic coating
- Up to 1,200 rpm
- 370°C
- 20 litres
- VTF connection

**AREX Digital**
- Round top Aluminium with ceramic coating
- Up to 1,500 rpm
- 370°C
- 20 litres
- Pt 100 included

**AREX Digital Pro (Rowe Code IM2243)**
- Round top Aluminium with ceramic coating
- Up to 1,500 rpm
- 370°C
- 20 litres
- VTF included + Pt 100 connection

**Square top series**

**HSC (Rowe Code IM2237)**
- Square top, Ceramic
- Up to 1,300 rpm
- 400°C
- 15 litres

**AREX with Pt100 (Rowe Code IM2249)**
- Aluminium alloy, 155 mm outer diameter
- Even heat transfer over the entire surface
- Hot plate warning

**AREC (Rowe Code IF2237)**
- Square top, Ceramic
- Up to 1,500 rpm
- 550°C
- 15 litres

**AREC.X (Rowe Code IM2241)**
- Square top, Ceramic
- Up to 1,500 rpm
- 550°C
- 15 litres
- VTF/Pt 100 connection for more precise temperature control

**AREC.T (Rowe Code IM2242)**
- Square top, Ceramic
- Up to 1,500 rpm
- 550°C
- 15 litres
- Timer

**AREC.X with VTF (Rowe Code IM2256)**
- Large ceramic top 180 x 180 mm
- Chemically resistant surface, easy to clean
- Technopolymer structure & hotplate warning

**5% OFF ends DEC 2015**
Welcome to the world of Velp... stirring

**OVERHEAD STIRRERS**

Robust motors, technopolymer housing, digital or analog control, easy & quick setup, intuitive chuck system, full operator safety and a range of versatile shafts & paddles available.

- **LS (Rowe Code IS2231)**
  - 50-2,000 rpm
  - 25,000 mPa’s - 40 Ncm
  - 25 litres

- **DLS (Rowe Code IS2200)**
  - 50-2,000 rpm
  - 25,000 mPa’s - 40 Ncm
  - 25 litres
  - Digital display (speed, time, torque), counter reaction

- **LH (Rowe Code IS2246)**
  - 50-2,000 rpm
  - 50,000 mPa’s - 80 Ncm
  - 40 litres

- **DLH (Rowe Code IS2210)**
  - 50-2,000 rpm
  - 50,000 mPa’s - 80 Ncm
  - 50 litres
  - Digital display (speed, time, torque), counter reaction

- **ZX3 (Rowe Code IV1085)**
  - Advanced vortex mixer
  - 0-3,000 rpm
  - Touch or continuous mode

- **ZX4 (Rowe Code IV1087)**
  - Advanced IR vortex mixer
  - up to 3,000 rpm
  - Infra-red or continuous mode

- **TX4 (Rowe Code IM1081)**
  - Digital vortex mixer with IR sensor
  - up to 3,000 rpm
  - Infra-red or continuous mode
  - Digital display - Timer

- **WIZARD (Rowe Code IM1063)**
  - IR vortex mixer
  - 0-3,000 rpm
  - Infra-red or continuous mode

- **OV5 (Rowe Code IH2660)**
  - Speed setting up to 30,000 rpm
  - Up to 8 litres as a homogenizer
  - Up to 40 litres as a high speed mixer
  - Max. viscosities of 10,000 mPa’s
  - Easy assemble/disassemble & cleaning
  - Several rotors & stators combinations available

Most common accessories:
- Water/Oil emulsions A00000029 (IH2664)
- Also available: Solid/liquid media A00000026 and Fibrous/stringy substances A00000034

**VORTEX MIXERS**

**OV5 SHAFT**

**OV5 WITH STAND**

**HOMOGENIZER**
Velp’s experience in food, feed and beverage testing equipment has produced a range of analytical instruments with the latest technology for the determination of protein, fat and other extractable substances. This enables you to achieve the most accurate and precise results.

**NITROGEN/PROTEIN DETERMINATION - KJELDAHL**

**DKL AUTOMATIC KJELDAHL DIGESTION UNITS + JP PUMP & SMS SCRUBBER**

Aluminium block technology for excellent temperature transmission, precision and homogeneity over the entire block, easy to operate.

- Fast
- Maximum temperature of 450°C
- Temperature stability
- Automated sample lowering/raising
- Pre-installed methods
- TEMS™ (Saves Time, Energy, Money, Space)

**UDK AUTOMATIC KJELDAHL DISTILLATION UNITS**

Unparalleled technology along with premium materials for extremely reliable results in terms of the quantification of nitrogen and protein.

- Patent pending titanium condenser, unequalled performance
- PATENTED steam generator, no pressure involved
- Automated reagent addition (depending on the model)
- TEMS™ (Saves Time, Energy, Money, Space)

**UDK 129 (Rowe Code ID8000)**
Distillation unit

**UDK 139 (Rowe Code ID8025)**
Semi-automatic distillation unit

**UDK 149 (Rowe Code ID8050)**
Fully automatic distillation unit with titrator connection

**UDK 159 (Rowe Code ID8075)**
Kjeldahl analyzer with colorimetric titrator

**UDK 169 (Rowe Code ID8169)**
Kjeldahl analyzer (autosampler optional and sold separately)

UDK 169 AutoKjel Autosampler pictured with optional microsampler for a high throughput.

DKL 20

DKL WITH JP PUMP & SMS SCRUBBER
welcome to the world of Velp...Food & Feed line

NITROGEN/PROTEIN DETERMINATION - DUMAS

**NDA 701 DUMAS NITROGEN ANALYZER**

VELP Scientifica has designed convenience into the new NDA 701 to let the user concentrate on evaluating the results that are produced in just 3 to 4 minutes per sample. Load up to 4 discs (30 positions each) then simply press the start button and walk away, it’s an ideal solution for fully automated high throughput able to run 24/7.

What makes the NDA 701 superior to other models:
- New technique - increasingly used industry method
- Moderate running costs
- Dry chemistry. no chemicals
- Eco-friendly, less residues and wastes
- RSD%, < 0.5% (with yeast - 2.33% N)
- Sample Homogenization, 0.5 mm particle size
- Controllable from PC with DUMAsoft™ software
- Conforms to Good Laboratory Practice standard
- Unmatched LOD, 0.003 mg N
- LoGas™ no reference gas required

**OXIDATIVE STABILITY STUDIES**

**OXITEST OXIDATION TEST REACTOR**

OXITEST is a multi-application accelerated oxidative stability testing device. The IR2500 directly tests the whole sample, without the need of fat separation that can affect reliability. Two separate titanium chambers offer the possibility to run the same test in tandem or different tests at the same time.

- Innovative solution, entirely controlled by the powerful OXISoft™ software
- Able to provide high quality, added value information concerning oxidative stability in foods
- Extended application range
- Ideal for R&D, product development and QC labs
- Suitable for shelf life studies

**CRUDE FAT DETERMINATION**

**SER 148 SOLVENT EXTRACTORS**

Up to five times faster than traditional Soxhlet Extractors (hot solvent vs cold solvent), SER 148 offers low solvent consumption (high solvent recovery, up to 75%) and limited cost per analysis time

- SER 148/IS4010 Solvent Extractors use the Randall Method for faster results
- Operator protection from particles and liquids
- 29 adjustable user programs
- Epoxy painted stainless steel structure
The FIWE model is a fibre analyzer suitable for raw fibre extraction, conventionally known as an indigestible residue. The long used Weende method has been now largely replaced by the Neutral Detergent Fibre (NDF), a method developed by Van Soest. It measures most of the structural components in plant cells (including lignin, hemicellulose and cellulose), but not pectin.

- Maximum reproducibility
- Time saving
- Cold extractor for preliminary extraction
- No sample transfer from cold extractor to fibre analyser
- Impressive heating element
- Also suitable for Acid Detergent Fibre (ADF); Acid Detergent Lignin (ADL) determination and the Wijkstrom technique, a modification of Weende method

Perform single or multiple samples at the same time with the CSF 6 required for efficient filtration, after the samples have been processed by the GDE. The high efficient pump allows operators to speed-up the filtration step and the final washing. Compressed air can be also injected from the bottom to remove any sample accumulated in the filter of the crucible, which affects the quality of filtration. Units sold separately.

- Short filtration time
- Pump to speed up filtration process & washing
- Efficient operation
- Unclog crucibles with air pump to improve filtration
- Electronic setting of counter pressure

Prices do not include GST and only while stock lasts. We reserve the right to change specifications, details and descriptions without notice. Pictures for illustrative purposes only. Discounts do not apply to service, freight and or repair charges.