

Looking for accurate and affordable laboratory equipment?



is at hand.



ENVIRONMENTAL LINE



FOOD & FEED LINE



STIRRING LINE

**New South Wales**  
Ph: (02) 9603 1205  
rowensw@rowe.com.au

**Queensland**  
Ph: (07) 3376 9411  
roweqld@rowe.com.au

**South Australia &  
Northern Territory**  
Ph: (08) 8186 0523  
rowesa@rowe.com.au

**Victoria & Tasmania**  
Ph: (03) 9701 7077  
rowevic@rowe.com.au

**Western Australia**  
Ph: (08) 9302 1911  
rowewa@rowe.com.au

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:



**ROWE**SCIENTIFIC  
PTY LTD ABN 63 009 437 790

[www.rowe.com.au](http://www.rowe.com.au)

Quality System  
Quality  
Endorsed  
Company  
ISO 9001:2008  
LIC 10372  
SAI Global



# ENVIRONMENTAL LINE

## BOD EVO SENSOR SYSTEM BIOCHEMICAL OXYGEN DEMAND (BOD)

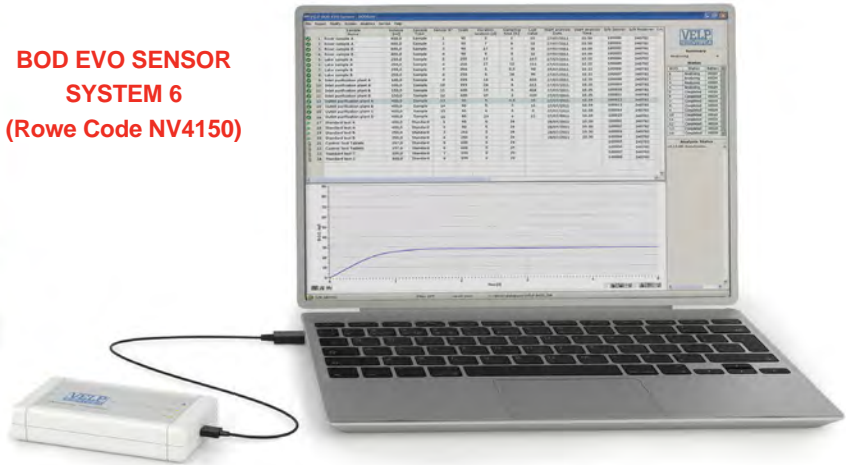
BOD analysis is widely used as an indication of the degree of organic pollution in water and is carried out on a given water sample at certain temperatures over a specific period.

### 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 EVO SENSOR  
SYSTEM 6  
(Rowe Code NV4150)**



## 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 16



ECO 25

#### 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 16mm) + 2 position (Dia 22mm 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)



FP4



JLT 4



FC6S

5% OFF

FLOCCULATORS  
ends DEC 2015



# STIRRING LINE

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

## MAGNETIC STIRRERS

### MULTISTIRRER 6 (Rowe Code IS2318)



### 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

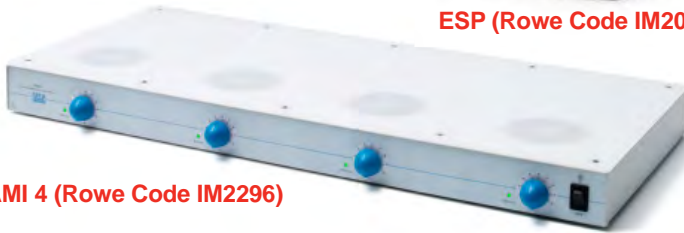
### AMI4 (Rowe Code IM2296)

Illuminated magnetic stirrer

- 4 positions (available single)
- 0-1,100 rpm
- 5 litres per position



MST (Rowe Code IM2016)



AMI 4 (Rowe Code IM2296)

## 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

#### 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

#### AREX with Pt100 (Rowe Code IM2249)

- Aluminium alloy, 155 mm outer diameter
- Even heat transfer over the entire surface
- Hot plate warning



#### AREC.X with VTF (Rowe Code IM2256)

- Large ceramic top 180 x 180 mm
- Chemically resistant surface, easy to clean
- Technopolymer structure & hotplate warning

## 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.



Other models 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
- 50,000mPa's - 80 Ncm
- 50 litres
- Digital display (speed, time, torque), counter reaction

## VORTEX MIXERS

### 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



TX4



### WIZARD

- When compared with the traditional touch mode, the Wizard's patented infrared sensor technology ensures a drastic reduction in repetitive strain
- Anti-sliding feet
- Range of attachments available

Other models available



## HOMOGENIZER



ROTOR

OV5

SHAFT

### 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

### OV5 WITH STAND



### Most common accessories:

- Water/Oil emulsions A0000029 (IH2664)
- Also available: Solid/liquid media A0000026 and Fibrous/stringy substances A0000034

# FOOD & FEED LINE

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



**DKL20**

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)



**DKL WITH JP PUMP & SMS SCRUBBER**

**NEW**

## 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 169**

**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 micro sampler for a high throughput.**



## 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.

**TOTAL  
AUTOMATION  
WITH THE  
NDA 701  
(IA0600)**



Rowe Code: IA0600

#### 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 DUMAssoft™ 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.



Rowe Code: IR2500

- 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 148/3



SER 148/6  
Rowe Code: IS4010

- 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

## RAW FIBRE DETERMINATION

### FIWE CRUDE FIBRE ANALYZER



**FIWE 6**

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



**FIWE 3**

## DIETARY FIBRE DETERMINATION

### GDE & CSF 6 DIETARY FIBRE ANALYZER



**CSF 6**

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



**GDE**



**New South Wales**  
Ph: (02) 9603 1205  
rowensw@rowe.com.au

**Queensland**  
Ph: (07) 3376 9411  
roweqld@rowe.com.au

**South Australia & Northern Territory**  
Ph: (08) 8186 0523  
rowesa@rowe.com.au

**Victoria & Tasmania**  
Ph: (03) 9701 7077  
rowevic@rowe.com.au

**Western Australia**  
Ph: (08) 9302 1911  
rowewa@rowe.com.au

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.

**Proudly Australian  
owned company  
servicing  
the scientific  
community since  
1987.**