



Welcome to the **World of VELP**



[www.velp.com](http://www.velp.com)

# VELP

---

Vitality, innovation, attention to detail and an infinite passion are the fundamental values of VELP.

Established in 1983, today VELP is a growing provider of analytical instruments and solutions that has made an impact on the world-wide market with Italian products renowned for innovation, style and premium materials.

VELP is a reliable partner for the development of advanced analytical instruments for laboratories, universities, research centers and companies involved in scientific research.

Our mission is to transform our commitment to the pursuit of knowledge into the ability to develop innovative “Customer Oriented” solutions.



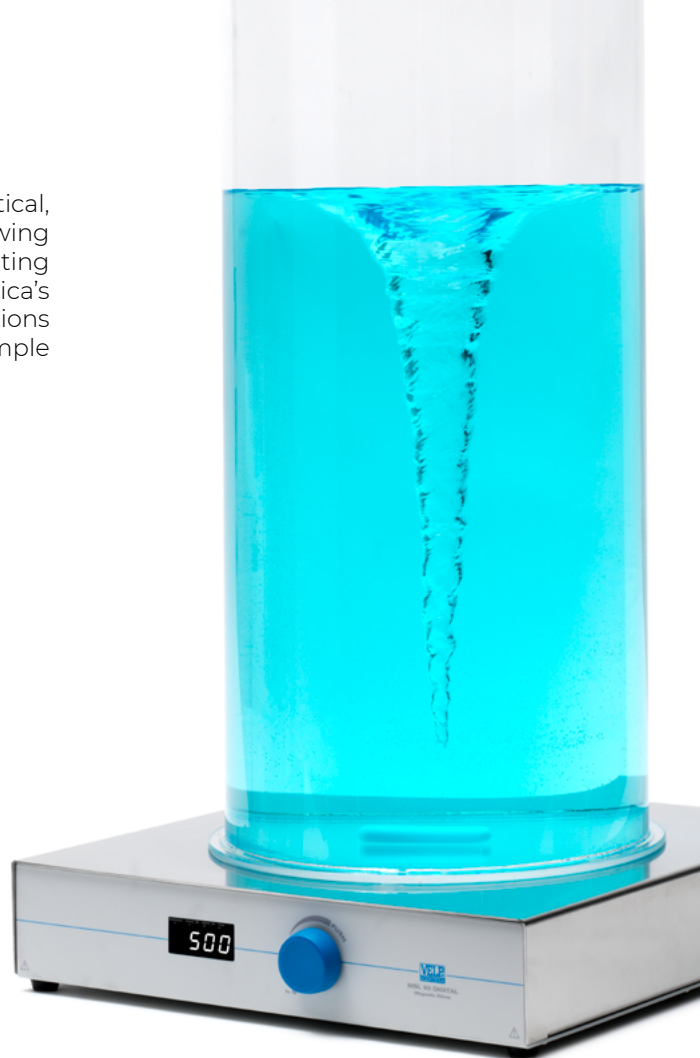
# Laboratory Equipment

---

- MAGNETIC STIRRERS
- HEATING MAGNETIC STIRRERS
- HEATING PLATES
- OVERHEAD STIRRERS
- VORTEX MIXERS
- HOMOGENIZERS
- COD THERMOREACTORS
- BOD AND RESPIROMETERS
- COOLED INCUBATORS
- FLOCCULATORS
- OVERHEAD SHAKERS
- TURBIDIMETER
- RADIATION DETECTOR
- OPEN CIRCULATING BATHS
- PUMPS

## MAGNETIC Stirrers

Specially designed for chemical, biotechnological, pharmaceutical, microbiological and medical applications such as growing microorganisms, dissolving nutrients and solids and preventing suspended matter from setting during titration. VELP Scientifica's magnetic stirrers offer solutions for diversified laboratory applications and the highest safety standards available on the market, with sample volumes ranging from 250 ml to 50 L.



## ANALOG

## DIGITAL

### ILLUMINATED

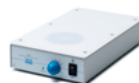
### SINGLE POSITION



MST  
Up to 1100 rpm - 5 L



MICROSTIRRER  
Up to 1100 rpm - 5 L



AMI  
Up to 1100 rpm - 5 L



MST Digital  
Up to 1500 rpm - 5 L



MSL 8 Digital  
Up to 1500 rpm - 8 L



MSL 8  
Up to 1500 rpm - 8 L



ESP  
Up to 1100 rpm - 5 L



MSL 25 Digital  
Up to 1500 rpm - 25 L



MSL 50 Digital  
Up to 1000 rpm - 50 L

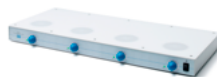
### MULTIPOSITION



MULTISTIRRER 6  
Stainless Steel Top - Up to 0.4 L



MULTISTIRRER 15  
Stainless Steel Top - Up to 0.25 L



AMI 4  
Up to 1100 rpm - 5 L



MULTISTIRRER 6 Digital  
Stainless Steel Top - Up to 0.4 L



MULTISTIRRER 15 Digital  
Stainless Steel Top - Up to 0.25 L

## HEATING MAGNETIC Stirrers

Hot plate stirrers are suitable for a great variety of applications when mixing and heating is required. VELP always provides the best instrument to fulfil any lab requirement, from basic applications to cloud controlled thermoregulation.



## ROUND TOP



**ARE-6**  
Aluminum Alloy plate - 370 °C - 20 L



**AREX-6**  
CerAlTop™ plate - 370 °C - 20 L



**AREX-6 Digital PRO**  
CerAlTop™ plate - 370 °C - 20 L



ermes enabled

**AREX-6 Connect PRO**  
CerAlTop™ plate - 370 °C - 20 L



**ARE**  
Aluminum Alloy plate - 370 °C - 15 L



**AREX**  
CerAlTop™ plate - 370 °C - 20 L



**AREX Digital PRO**  
CerAlTop™ plate - 370 °C - 20 L

## SQUARE TOP



**HSC**  
Ceramic plate - 400 °C - 15 L



**AREC**  
Ceramic plate - 550 °C - 15 L



**AREC.X**  
Ceramic plate - 550 °C - 15 L



**AREC.T**  
Ceramic plate - 550 °C - 15 L

## MULTIPOSITION



**AM4**  
Aluminum Alloy plate - 370 °C - 4x15 L



**AM4 Digital PRO**  
Aluminum Alloy plate - 370 °C - 4x15 L



**MULTI-HS 6 Digital**  
CerAlTop™ plate - 120 °C - Up to 0.4 L



**MULTI-HS 15 Digital**  
CerAlTop™ plate - 120 °C - Up to 0.25 L

## OVERHEAD Stirrers

VELP Scientifica offers a complete range of overhead stirrers with state-of-the-art stirring power features for your applications, able to continuously work in challenging environments. Many reliable solutions are available, for different requirements in terms of viscosity and volume. Advance models offer unique features and cloud connectivity.





# TORQUE (Ncm)

ANALOG

15/20



ES  
Up to 15 L

40



LS  
Up to 25 L

60

80



LH  
Up to 40 L

100



PW  
Up to 70 L

120

200

DIGITAL



OHS 20 Digital  
Up to 25 L



DLS  
Up to 25 L



OHS 60 Digital  
Up to 40 L



DLH  
Up to 40 L



OHS 100 Digital  
Up to 100 L



OHS 200 Digital  
Up to 100 L



OHS 40 Digital  
Up to 25 L



ermes enabled  
OHS 60 Advance  
Up to 40 L



ermes enabled  
OHS 100 Advance  
Up to 100 L



ermes enabled  
OHS 200 Advance  
Up to 100 L

OVERHEAD STIRRERS

## VORTEX Mixers

Vortex mixers are suitable for mixing substances in any shape or size of test tube thanks to the orbital movement of the rubber cup. Manual, continuous and IR sensor operating modes meet the multiple needs of every laboratory with high safety standards.

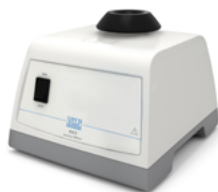
VELP Scientifica unique IR sensor system activates vibration without the need to apply pressure. The ergonomic and highly innovative design along with the zinc base ensure an excellent stability on the bench, usable on many surfaces.



## TOUCH / CONTINUOUS

## ANALOG

## DIGITAL



**RX3**  
Electronic speed regulation:  
Constant 3000 rpm



**ZX3**  
Electronic speed regulation:  
Up to 3000 rpm



**CLASSIC**  
Electronic speed regulation:  
Up to 3000 rpm

## IR / CONTINUOUS



**ZX4**  
Electronic speed regulation:  
Up to 3000 rpm



**WIZARD**  
Electronic speed regulation:  
Up to 3000 rpm



**TX4**  
Electronic speed regulation:  
Up to 3000 rpm  
Integrated timer

# HOMOGENIZER

The OV5 Homogenizer is the ideal solution for dispersing, homogenizing, mixing and grinding biological tissue samples (cells, animal and plant tissues), pharmaceutical products, cosmetics and food products. A single shaft can be combined with a wide selection of stator and rotor configurations according to the specific application for which it is to be used.

Flexible, easy-to-use, rapid and user-friendly stator and rotor interchangeability.

OV5



SHAFT



STATOR



ROTOR



# COD Thermoreactors

Chemical Oxygen demand is an important parameter for water and wastewater characterization, in order to test pollution levels.

Thermoreactors for COD analysis and sample preparation 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.

ECO 6



- 6 positions
- LED display

ECO 8



- 8 positions
- 4 analysis times

ECO 16



- 16 positions
- LED display

ECO 25



- 25 positions
- 4 analysis times



## BOD and RESPIROMETERS

BOD analysis is widely used as an indication of the degree of organic pollution of water and is carried out on a given water sample at certain temperature over a specific period. The unique BOD EVO is the only product that allows continuous monitor of BOD values without the need to open the incubator.

BOD Sensor



BOD Sensor Set



BOD Sensor System



- 6 or 10 positions

BOD EVO Sensor System



- 6 positions
- BODSoft™ Software included



## COOLED Incubators

For those applications where the monitoring of the sample is extremely important, VELP has developed a line of incubators that offer the possibility of visually examining the contents without interfering with the thermal cycle in progress.

FTC 120



- 20°C constant

FOC 120E



- From 3 to 50 °C

FOC 120I



- From 3 to 50 °C
- Internal transparent door

FOC 200E



- From 3 to 50 °C

FOC 200I



- From 3 to 50 °C
- Internal transparent door

FOC 200IL



- From 3 to 50 °C
- Internal transparent door
- Illuminated



# FLOCCULATORS

VELP Scientifica has developed a complete line of instruments to support the lab technician working in the environmental sector and for the separation of pollutants in wastewater treatment plants in particular.

## FP4



- 4 positions
- Portable flocculator

## FC4S AND FC6S



- 4 or 6 positions
- Individual speed and time setting

## JLT 4 AND JLT 6



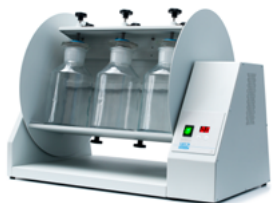
- 4 or 6 positions
- Programmable speed and time
- Digital





## OTHER LABORATORY EQUIPMENT Solutions

### OVERHEAD Shakers



#### ROTAX 6.8

- Digital display
- From 0 to 30 rpm

### OCB Open Circulating Baths



#### OCB

- Timer and digital display
- Excellent temperature homogeneity up to 105°C

### TURBIDIMETER



#### TB1

- Portable and impermeable
- Results in NTU (Nephelometric Turbidity Units)

### RADIATION Detector



#### RADIATION DETECTOR

- Geiger-Muller tube

# ERMES | SMART LAB CLOUD PLATFORM

VELP Ermes creates a connected ecosystem of devices, people and data that transmit information between each other cutting down distances and expanding your scientific potential.



## Monitor and Control your instruments

Monitor and manage multiple instruments 24/7 from your internet devices. Real time visualization of your analysis and of the instrument working conditions. Immediate notifications and alerts.



## Safely Manage your Data

Collect and store your data with the maximum level of encryption and cyber-security standards. Generate and share reports of your analysis in multiple formats.



## Your Instrument Always Updated

Effortlessly connect your instrument via secure Wi-Fi or cable and update the software immediately and free of charge. Benefit of new features coming from VELP continuous product innovation.



## Enhanced Service Support

Faster and smarter Service Support thanks to the direct contact with VELP specialists. With VELP Ermes we can guide you to get the maximum from your instrument.

TO DISCOVER MORE VISIT [WWW.VELP.COM](http://WWW.VELP.COM)





## SERVICE & SUPPORT

VELP Scientifica products are designed by our engineers to resist years of laboratory use. Our products are manufactured with premium materials to guarantee the best performance with maximum safety.

According to our experience, a proper and regular maintenance is necessary to ensure the highest performance of analytical instrument. VELP Service Department and VELP Official Partners are always ready to offer you maintenance and service support tailored to your needs.

### GET THE SUPPORT YOU NEED CHOOSING THE OPTIONS:

- Installation
- Preventive Maintenance
- Help-desk and Remote support
- Technical Assistance
- Analytical Support
- Calibration Certification



#### ITALY – HQ

Via Stazione 16  
20865 Usmate (MB) Italy  
Tel. +39 039 628811  
velpitalia@velp.com

#### INDIA

velpindia@velp.com

#### USA

155 Keyland Court, Bohemia  
NY 11716 - U.S.  
Tel. +1 631 573 6002  
velpusa@velp.com

#### CHINA

Xinlong Rd Building 28, Lane 1333  
Shanghai city - China  
Tel. +86 18017557329  
velpchina@velp.com

We reserve the right to make technical alterations. We do not assume liability for errors in printing, typing or transmission

DESIGNED AND MANUFACTURED IN ITALY

