velp®

Products portfolio

AI Analytical Instruments
LE Laboratory Equipment

Our Manifesto

Science is driven by a curiosity about the natural world and the human desire to understand how things work.

Every day a sense of wonder motivates scientists to explore the unknown and ask fundamental questions about the world around us.
We at Velp embrace this spirit, fostering openmindedness and creativity.

We blend Italian craftsmanship with state-of-the art technology to deliver exceptionally userfriendly and reliable laboratory equipment and analytical instruments.

Renowned for our clean, minimalist design, we strive to simplify the scientific routines of those committed to enhancing quality of life and addressing critical global challenges.

We'll keep pushing the limits of innovation, always evolving in everything we do — just as you do.

Velp. Driven by curiosity.

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AI

Analytical Instruments

Elemental Analyzers

Elemental Analyzers are state-of-the-art analytical instruments to determine the elemental composition of a sample.
They find application in various industries for the determination of Nitrogen, Protein, Carbon, TOC, Carbon-Nitrogen Ratio, Hydrogen, Sulfur and Oxygen.

Through safe combustion and pyrolysis, Velp Elemental Analyzers enable access to a wealth of information from the sample in a few minutes. Running completely unattended, Velp Elemental Analyzers provide extremely accurate and reliable results, preventing laboratory professionals' exposure to chemicals.

Industries & Applications

Food, Feed & Beverage
Meat, Fish, Poultry, Cereals, Bakery products, Milk, Dairy, Oils, Fats, Brewery, Oil Seeds, Pet food

Environmental & Agro
Soils, Plants, Fertilizers, Waste, Wastewater, Water, Sludges, Sediments

Chemical & Petrochemical
Rubber, Plastic, Lubricants, Petroleum products, Coal fuels, Coke

Pharmaceutical & Life science
Pharmaceutical products, Vaccines, Active ingredients

Cosmetics & Personal Care
Creams, Lotions, Powders

Sample prepation & weighing

1

Consumables and accessories are designed to make sample preparation easy and efficient.

Analysis

2

Choose the Velp solution for your needs.

Software

3

Velp provide solutions that controls and manages your elemental analyzers.

CHNS Analyzer	EMA 402XL	EMASoft XL™
CHNS/O Analyzer	EMA 502	EMASoft™
CN Analyzer	CN 802	CNSoft™
Nitrogen Analyzer	NDA 702	DUMASoft™

CHNS
Macro Elemental Analyzer

EMA 402XL

The EMA 402XL is a high-capacity, fully automated macro elemental analyzer for the precise determination of Carbon (C), Hydrogen (H), Nitrogen (N), and Sulfur (S) in large-weight samples. Designed for laboratories handling complex or heterogeneous samples, it combines vertical high-temperature combustion, advanced detection, and automation to deliver fast, reliable, and reproducible CHNS results.

Fully Automated CHNS Analysis
The integrated 100-position electric autosampler enables continuous, unattended operation, maximizing throughput and minimizing hands-on time.

Extra-Large Capacity with Re-usable Crucibles
The crucible technology supports the direct analysis of macro solid or liquid samples - up to 3 g - simplifying sample preparation, increasing result representativeness, and automating ash removal.

High-Temperature Vertical Combustion
Reagent-free vertical furnace up to 1350 °C ensuring efficient, automatically optimized combustion for complete oxidation of even the most challenging samples.

ERMES ENABLED

C 12.011 H 1.008 N 14.007 S 32.07

CHNS-O
Micro Elemental Analyzer

EMA 502

The EMA 502 Elemental Analyzer CHNS-O is the accurate and reliable solution for the simultaneous determination of carbon, hydrogen, nitrogen, sulfur and oxygen in various industrial sectors such as pharma and life science, organic chemistry, petrochemistry and energy, environmental, agronomy, food & feed. Working according to the official reference standard.

All-in-one Solution
Combustion and pyrolysis in a single analyzer avoiding the need for external modules.

Accurate
EMA 502 is a flexible and robust analyzer, designed for superior reliability with high performance and accuracy.

Unmatched Ease-of-Use
Intuitive operation with the powerful EMASoft™ software.
Comprehensive reporting features and pre-loaded methods of analysis.

ERMES ENABLED

C 12.011 | H 1.008 | N 14.007 | S 32.07 | O 16

Carbon / Nitrogen Elemental Analyzer

CN 802

The CN 802 is a fast, versatile, and highly sensitive elemental analyzer, that works in accordance with official reference methods. It determines carbon (Total and TOC) and nitrogen in many industrial sectors such as agriculture, environment, food & feed, and chemicals.

Robust and Flexible
Fully automatic determination of TC, TOC, TIC, TN and Carbon/ Nitrogen Ratio on solid, semi-solid, and liquid samples.

Precise
The HighSensIR (Non-Dispersive Infrared) detector and the LoGas™ TCD (Thermal Conductivity Detector) guarantee high-precision results and excellent reproducibility on both micro and macro sample weights.

Intuitive
The CN 802 is easy to use thanks to the user-friendly CNSoft™ software which is equipped with maximum safety control of the instrument.

ERMES ENABLED

C 12.011 N 14.007

N/Protein Elemental Analyzer

NDA 702

The NDA 702 Dumas elemental analyzer is the best solution for high throughput labs looking for a fast and safe analyzer with the possibility to choose between Helium and Argon as carrier gas.

Versatile
Seamlessly choose between Helium and Argon as carrier gas without hardware modifications.

Fast
NDA 702 produces N/Protein results in just 3 to 4 minutes totally unsupervised and cloud-enabled.

Precise and Intuitive
The lowest LOD of 0.001 mgN with Helium assures high precision results and excellent reproducibility.
The easy-to-use DumaSoft™ software provides an intuitive user experience.

ERMES ENABLED

N
14.007

Kjeldahl Analyzers

The Kjeldahl method is the standard technique for determining nitrogen in organic samples, widely used across various sectors, from environmental, chemical, and pharmaceutical applications to protein analysis in food and feed.

Renowned for its reliability and accuracy, it is a trusted method for delivering reproducible results and ensuring precise quality control.

The Kjeldahl procedure involves three main steps: digestion (or mineralization), distillation, and titration. During digestion, the sample is treated with a mixture of sulfuric acid and sulfate salts at temperatures exceeding 400 °C, converting organic nitrogen into ammonium sulfate. The solution is then alkalinized to release ammonia, which is distilled and quantified via titration.

With Velp's wide range of instruments, laboratories can configure the ideal solution for their needs, selecting from simple, intuitive models or fully automated systems for maximum productivity.

Industries & Applications

Food, Feed & Beverage
Meat, Fish, Poultry, Cereals, Bakery products, Milk, Dairy, Oils, Fats, Brewery, Oil Seeds, Pet food

Environmental & Agro
Soils, Plants, Fertilizers, Waste, Wastewater, Water, Sludges, Sediments

Chemical & Petrochemical
Rubber, Plastic, Lubricants, Petroleum products, Coal fuels, Coke

Pharmaceutical & Life science
Pharmaceutical products, Vaccines, Active ingredients

Cosmetics & Personal Care
Creams, Lotions, Powders

Sample

Sample Preparation

1

Genuine consumables designed to provide a solution for digestion, including catalyst tablets and nitrogen-free weighing boats.

Digestion

2

Place the sample into the Velp Digesters. Choose automatic or semi-automatic models.

Hazardous fumes generated during the digestion should be neutralized with the KS 1000 Scrubber.

Distillation

3

Use the Velp Distillation Units for the determination of analytes in your sample.

Titration

4

You can now perform the final step. Choose automatic titration with UDK 159-169 or external titration with UDK 149.

Nitrogen mg (Protein %)

Digestion Units

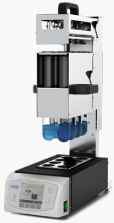
DKL & DK Series

Digesters are widely used in laboratories performing analysis for diversified applications in food&feed, beverage (nitrogen, protein, Total Kjeldahl Nitrogen), environmental (COD, Total Kjeldahl Nitrogen, Heavy Metal Trace), chemical and pharmaceutical (organic nitrogen) industries.

The DKL Series digesters are fully automatic units where manual operations have been drastically reduced: lowering and lifting of the samples takes place automatically.

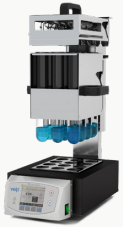
The DK Series is composed of semi-automatic digesters, consisting of an aluminum heating block to offer high thermal homogeneity, heating up to 450 °C.

Automatic digestion



DKL 8

- 8-position model for Ø 42 mm test tubes
- Integrated lift for automatic sample handling



DKL 12

- 12-position model for Ø 42 mm test tubes
- Integrated lift for automatic sample handling

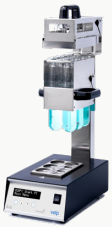
DKL 20

- 20-position model for Ø 42 mm test tubes
- Integrated lift for automatic sample handling

DKL 42/26

- 42-position model for Ø 26 mm test tubes
- Integrated lift for automatic sample handling

Semi-automatic digestion



DK 6 - 6/48

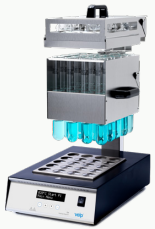
- 6-position model for Ø 42 and Ø 48 mm test tubes

DK 8

- 8-position model for Ø 42 mm test tubes

DK 18/26

- 18-position model for Ø 26 mm test tubes



DK 20

- 20-position model for Ø 42 mm test tubes

DK 42/26

- 42-position model for Ø 26 mm test tubes

Distillation Units

UDK Series

The UDK Series Distillation Units are designed to meet the most challenging demands and requirements for diverse applications, according to international standards: Kjeldahl nitrogen TKN, proteins, ammoniacal nitrogen, nitric nitrogen (Devarda), phenols, TVBN and volatile acids, cyanides, and alcohol content.

Five different UDK models are available with different automation levels and the exclusive cloud connectivity to match any laboratory requirement of automation and throughput.

Automatic Distillation and Titration

UDK 169 & AutoKjel

- Internal colorimetric titration
- Touch screen display
- Automatic addition of: NaOH - H_2O - H_3BO_3
- Automatic removal of: Distillation residues
- Selectable steam flow regulation 10 - 100%
- Autosampler

ERMES ENABLED

UDK 159

- Internal colorimetric titration
- Touch screen display
- Automatic addition of: NaOH - H_2O - H_3BO_3
- Automatic removal of: Distillation residues
- Selectable steam flow regulation 10 - 100%

ERMES ENABLED

UDK 149

- Connection to external potentiometric titrators
- Touch screen display
- Automatic addition of: NaOH - H_2O - H_3BO_3
- Automatic removal of: Distillation residues
- Selectable steam flow regulation 10 - 100%

ERMES ENABLED

Semi-automatic Distillation

UDK 139

- Touch screen display
- Automatic addition of: NaOH - H_2O
- Automatic removal of: Distillation residues
- Selectable steam flow regulation 10 - 100%

ERMES ENABLED

UDK 129

- Automatic addition of NaOH
- Display

Fumes Neutralization System

KS 1000

Gas neutralization is a critical step in Kjeldahl analysis to protect both laboratory personnel and equipment.
It prevents instrument corrosion and ensures a healthier working environment: a top priority for every lab.
Pair the KS 1000 with Velp digesters to efficiently neutralize the toxic fumes generated during the mineralization process.

Highly Efficient
A wide contact surface between gas and liquid guarantees maximum neutralization efficiency.

Space Saving
A small footprint makes it easy to place the KS 1000 with Velp's compact digestors under the fume hood.

Reduced Consumptions
Minimized water consumption and no need for a dedicated water supply.

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Solvent Extractors

Solvent extraction is a method for the separation of mixtures by using the differences in the solubility of the components. A sample is immersed in a solvent, then it is washed off with fresh solvent and the extract collected.

Compared to the traditional Soxhlet technique, the Randall method stands out for its speed and efficiency. By maximizing extraction performance, it significantly reduces analysis time without compromising results.

Accessories as the extraction thimbles and cups, available in different sizes optimize the cost per analysis by reducing the amount of solvent required. Velp Solvent Extractors work with the majority of solvents thanks to the Vaflon, Viton and Butyl seals.

Industries & Applications

Food, Feed & Beverage
Meat, Fish, Poultry, Cereals, Bakery products, Milk, Dairy, Oils, Fats, Brewery, Oil Seeds, Pet food

Environmental & Agro
Soils, Plants, Fertilizers, Waste, Wastewater, Water, Sludges, Sediments

Chemical & Petrochemical
Rubber, Plastic, Lubricants, Petroleum products, Coal fuels, Coke

Cosmetics & Personal Care
Creams, Lotions, Powders

Pulp, Paper & Textile
Testing of raw materials, Textile fiber, Cellulose

Immersion

1

The sample is immersed in boiling solvent for an effective defatting action.

Washing

2

The condensed solvent flows over the sample and through the thimble to complete the extraction process.

Recovery

3

More than 90% of the solvent is recovered in the internal recovery tank (SER 158). The glass cup contains the extracted matter.

Solvent Extractors

SER 158 & 148

The SER 158 and SER 148 solvent extractors perform fast solid-liquid extractions on a variety of sample types.

The SER 158 is a fully automated solvent extractor offering state-of-the-art technology, full safety, precision and smart data management.

The SER 148 Series is a semiautomatic solution with no compromises on operator safety (IP55) and solvent consumption also guaranteeing a limited cost per analysis.

The HU 6 is the ideal solution for the acid and basic hydrolysis of food and feed samples prior to solvent extraction.

Automatic Extraction

SER 158/6

- 6 positions
- Control Pad
- Fully automatic
- Up to 4 units simultaneously

ERMES ENABLED

SER 158/3

- 3 positions
- Control Pad
- Fully automatic
- Up to 4 units simultaneously

ERMES ENABLED

Semi-automatic Extraction

SER 148/6

- 6 positions
- Semi-automatic

SER 148/3

- 3 positions
- Semi-automatic

Hydrolysis

HU 6

- 6 positions
- Acid and Basic Hydrolysis

Oxidation Stability Reactor

The OXITEST Method is an internationally recognized analytical technique for the determination of the oxidation stability of food, fats and oils. Every food, feed and other product containing lipids (creams, lip balms, body lotions, wax etc.) undergoes oxidation of the contained fat portion, which causes unpleasant flavor, bad smell and the loss of its natural sensorial qualities.

The OXITEST method has been recognized as the AOCS International Standard Procedure: AOCS Standard Procedure Cd 12c-16 (Determination of the Oxidation Stability of Foods, Oils and Fats Using the Oxitest Oxidation Test Reactor).

OXITEST speeds up the oxidation process because of the two accelerating factors, temperature and oxygen pressure. The instrument measures the absolute pressure change inside the two chambers, monitoring the oxygen uptake by reactive components in the sample and automatically generates an IP value.

The Induction Period (IP) is the time required to reach the starting point of oxidation, corresponding to either a level of detectable rancidity or a sudden change in the rate of oxidation. The longer the Induction Period, the higher the stability against oxidation over time. The operator can create test reports for a single test or compare different analyses for a better interpretation of the data.

Industries & Applications

Food, Feed & Beverage
Meat, Fish, Poultry, Bakery products, Oils, Fats, Oil Seeds, Pet food

Chemical & Petrochemical
Lubricants, Petroleum products, Coal fuels

Cosmetics & Personal Care
Creams, Lotions

Oxidation Stability Reactor

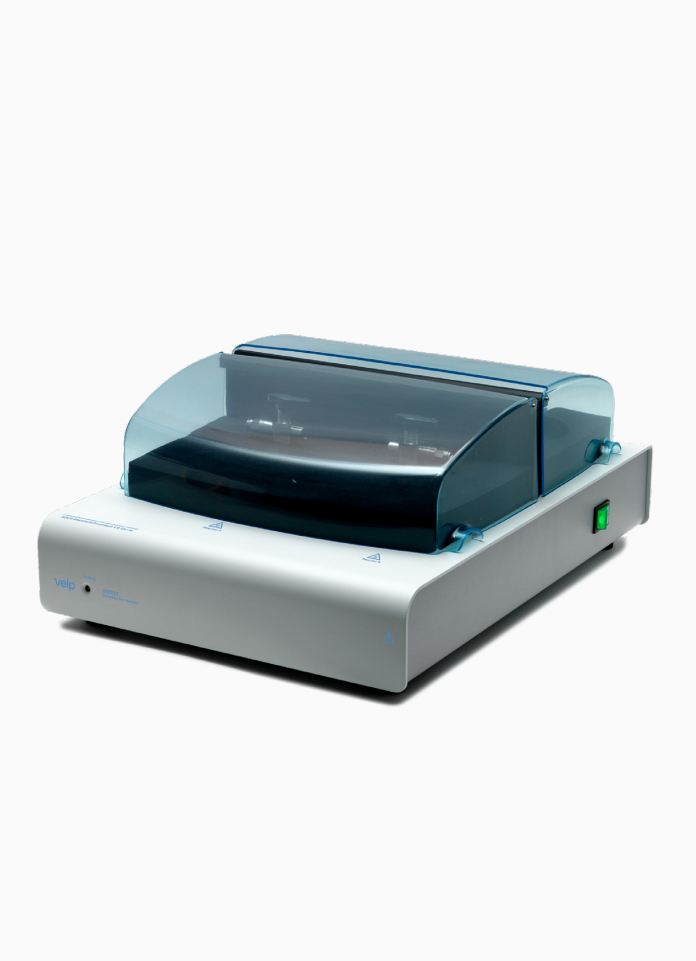
OXITEST

The OXITEST Oxidation Stability Reactor is the innovative and reliable solution to investigate the oxidation stability of various types of samples, from food and feed to creams and lotions.
Working on the whole sample, without requiring preliminary fat extraction, the OXITEST enables to create test reports for a single test or compare different analyses thanks to the OXISoft™ software.

Representative Results
The stability test is performed directly on the sample as it is to provide reliable and reproducible results in a short period of time.

Powerful and intuitive Software
OXISoft™ is quick and easy to use. Program parameters, working conditions and results always at a glance.

Resistance and Realiability
The oxidation chambers, sample holders and covers are made of titanium to guarantee resistance, compatibility, easy cleaning and cost savings.



ERMES ENABLED

Fiber Analyzers

FIWE Advance, FIWE & Dietary Fiber Analyzers

The FIWE Series is used to determine the quantity of raw fiber according to Wendee, Van Soest and other Official Methods. FIWE is the semi-automatic solution. FIWE Advance is the fully automatic analyzer providing automatic reagent addition, Load&Go operation, an intuitive user interface and cloud connectivity.

The COEX guarantees maximum reliability and is a mandatory step for all the samples with high fat content.

Dietary Fiber determination according to AOAC 985.29 enzymatic method, by digesting the sample with enzymes and final filtration. Dietary fiber extraction is carried out on foods intended for human nourishment.

Raw Fiber

FIWE Advance

- 6 positions
- Fully automatic
- Automatic reagent addition

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FIWE 6

- 6 positions
- Semi-Automatic

FIWE 3

- 3 positions
- Semi-Automatic

COEX

- 6 positions
- Cold extractor for fat separation

Dietary Fiber

GDE

- 6 position
- Enzymatic digestion system

CSF6

- 6 positions
- Filtration Unit

Consumables

Velp provides a wide range of genuine consumables designed to ensure optimum performance for Elemental Analyzers, Kjeldahl Analyzers and Solvent Extractors.

Elemental Analysis

High-quality quartz tubes, crucibles, tin foils; long-life and premium reagents and catalysts; calibration standards (EDTA, 9.57% N), o-rings, seals and fittings.

Kjeldahl Analysis

Genuine Catalyst tablets KjTabs™, Vreceiver™ Boric Acid powder formula with indicators and Nitrogen-free Weighing Boats for reliable Kjeldahl analysis.

Solvent Extractors

Three different glass cup sizes, aluminum cup, cellulose thimbles and glass fiber thimbles; butyl, viton and vaflon seals; boiling stones.

LE

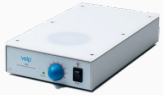
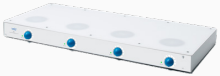
Laboratory Equipment

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'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.

3 YEARS WARRANTY

	Analog			Digital	
Single Position	 MST Up to 1100 rpm - 5 L	 MICROSTIRRER Up to 1100 rpm - 5 L	 AMI Up to 1100 rpm - 5 L ILLUMINATED	 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 - 0.4 L (x6)	 MULTISTIRRER 15 Stainless Steel Top - 0.25 L (x15)	 AMI 4 Up to 1100 rpm - 5 L (x4) ILLUMINATED	 MULTISTIRRER 6 Digital Stainless Steel Top - 0.4 L (x6)	 MULTISTIRRER 15 Digital Stainless Steel Top - 0.25 L (x15)

Heating Magnetic Stirrers

Versatile and reliable, Velp heating magnetic stirrers are designed to meet the diverse needs of any laboratory environment. Whether for simple daily routines or demanding applications requiring advanced thermoregulation and data logging, these instruments deliver precise performance and ease of use.

Available with both round and square tops in ceramic or aluminium, they are offered in single or multi-position models to suit various workflows. With a choice of analog or digital interfaces, Velp hot plate stirrers combine durability, safety, and innovation, making them ideal for academic, industrial, pharmaceutical, and research laboratories alike.

3 YEARS WARRANTY

	Single Position				Multiposition
Round top	 **ARE 5** Aluminum Alloy plate - 310 °C - 15 L	 **AREX 5** CerAlTop™ plate - 310 °C - 20 L	 **AREX 5 Digital** CerAlTop™ plate - 310 °C - 20 L	 **AREX 5 Advance** CerAlTop™ plate - 310 °C - 20 L ERMES ENABLED	 **AM4** Aluminum Alloy plate - 310 °C - 15 L (x4)
Square top	 **AREC 4** Ceramic plate - 550 °C - 5 L		 **AREC 4 Digital** Ceramic plate - 550 °C - 5 L		 **AM4 Digital** CerAlTop™ plate - 310 °C - 20 L (x4)
	 AREC 7 Ceramic plate - 550 °C - 15 L		 **AREC 7 Digital** Ceramic plate - 550 °C - 15 L	 **AREC 7 Advance** Ceramic plate - 550 °C - 20 L ERMES ENABLED	 **MULTI-HS 6 Digital** CerAlTop™ plate - 120 °C - 0.4 L (x6)
			 AREC 10 Digital Ceramic plate - 550 °C - 25 L	 **AREC 10 Advance** Ceramic plate - 550 °C - 25 L ERMES ENABLED	 **MULTI-HS 15 Digital** CerAlTop™ plate - 120 °C - 0.25 L (x15)

Overhead Stirrers

Velp offers a complete range of overhead stirrers with state-of-the-art stirring power and smart features for a wide range of applications.
Velp overhead stirrers can work continuously, even in challenging environments.
Many reliable solutions are available for different requirements in terms of viscosity and volume. OHS Advance models offer unique features and cloud connectivity.

CONTROLLER Advance & Digital

The Velp CONTROLLER Advance and Digital are the innovative solutions to control brushless motors of process reactors. Digital interface, maximum precision, timer and torque monitoring make Velp CONTROLLER the state-of-the-art solution for reactors of up to 100 L volume.

CONTROLLER Advance

ERMES ENABLED

CONTROLLER Digital

c N us

3 YEARS WARRANTY

Torque (Ncm)

	15/20	40	60	80	100	120	200
Analog	 **ES** Up to 15 L Up to 1.000 mPa*s	 **LS** Up to 25 L Up to 25.000 mPa*s		 **LH** Up to 40 L Up to 50.000 mPa*s		 **PW** Up to 70 L Up to 100.000 mPa*s	
Digital	 **OHS 20 Digital** Up to 25 L Up to 10.000 mPa*s	 **DLS** Up to 25 L Up to 25.000 mPa*s	 **OHS 60 Digital** Up to 40 L Up to 50.000 mPa*s	 **DLH** Up to 40 L Up to 50.000 mPa*s	 **OHS 100 Digital** Up to 100 L Up to 70.000 mPa*s		 **OHS 200 Digital** Up to 100 L Up to 100.000 mPa*s
		 OHS 40 Digital Up to 25 L Up to 25.000 mPa*s	 **OHS 60 Advance** Up to 40 L Up to 50.000 mPa*s ERMES ENABLED		 **OHS 100 Advance** Up to 100 L Up to 70.000 mPa*s ERMES ENABLED		 **OHS 200 Advance** Up to 100 L Up to 100.000 mPa*s ERMES ENABLED

Vortexers and Shakers

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

3 YEARS WARRANTY

	Digital		Analog		
	Multiposition	Single Position	Single Position		
Pulse / Continuos Vortexer	 **MULTI-TX5 Digital** Up to 2500 rpm Integrated timer				
IR / Continuos Vortexer		 **TX4** Up to 3000 rpm Integrated timer	 **ZX4** Up to 3000 rpm	 **WIZARD** Up to 3000 rpm	
Touch / Continuos Vortexer			 **RX3** Constant 3000 rpm	 **ZX3** Up to 3000 rpm	 **CLASSIC** Up to 3000 rpm
Overhead Shaker	 **ROTAX 6.8** Up to 30 rpm				

Dispersers

Velp Dispersers are the ideal solution for homogenizing, dispersing, mixing and grinding cosmetics, food samples, pharmaceutical products and biological tissues (cells, animal and plant tissues).

Choose from a wide range of Velp dispersing tools, manufactured with high-quality stainless steel to ensure excellent mechanical properties and chemical resistance.

3 YEARS WARRANTY

Digital

OV 625 Digital

- Up to 25000 rpm

OV 725 Digital

- Up to 25000 rpm
- Timer
- Tool maintenance indicator

Dry Block Heaters and COD

ECODryBlock is a modular, high-precision dry block heater that delivers uniform, stable, and controlled temperature conditions across multiple samples. It's ideal for sample preparation, incubation, DNA denaturation, enzymatic reactions, and culture media tests, and thanks to its extended temperature range up to 165 °C, it can also perform COD analysis.

Its modular design allows one ControlPad to manage two independent heating Modules, each with two aluminum blocks (95x76x51 mm).
A wide range of interchangeable blocks provides maximum flexibility, adapting to any application and vessel.

ControlPad
60.0 °C
60.0 °C
01:00:00
02:00
Unit
1
STOP
R
velp

BOD and Respirometers

Velp solutions for BOD and Respirometric tests provide a precise, reliable and compact solution to laboratories of water and wastewater quality control, organic waste treatment plants, renewable energy production end environmental labs studying the effects of plastic and other pollutants in water and soils.

Together with wireless data transmission to the PC, the RESPIROMETRIC Sensor features exclusive connectivity to the Velp Ermes Cloud Platform and has a wide application range since it is suitable for aerobic and anaerobic degradation analysis.

C N US

3 YEARS WARRANTY

	Aerobic			Anaerobic
	BOD	Plastic Analysis	Soil Analysis	BMP
Standard	 **BOD Sensor System** 6 - 10 positions - Results on display			
Connectivity	 **RESPIROMETRIC Sensor System - BOD** 6 positions - Results on display and RESPIROSoft™ ERMES ENABLED	 **RESPIROMETRIC Sensor System for Plastic Analysis** 6 positions - Results on display and RESPIROSoft™ ERMES ENABLED	 **RESPIROMETRIC Sensor System for Soil Analysis** Results on display and RESPIROSoft™ ERMES ENABLED	 **RESPIROMETRIC Sensor System MAXI - BMP** 6 positions - Results on display and RESPIROSoft™ ERMES ENABLED

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 content without interfering with the thermal cycle in progress.

Velp refrigerated thermostats guarantee premium connectivity and high performance in temperature control with the Auto-Tuning System.

FOC Connect provide data logging, insights, immediate notifications and alerts, remote control of the processes and enhanced service support with Velp Ermes.

3 YEARS WARRANTY

	109 L Total Volume		169 L Total Volume	
Standard	 **FTC 120** 20°C constant	 **FOC 120 E Connect** From 3 to 50 °C ERMES ENABLED	 **FOC 200 E Connect** From 3 to 50 °C ERMES ENABLED	
Internal Transparent Door	 **FOC 120 I Connect** From 3 to 50 °C ERMES ENABLED		 **FOC 200 I Connect** From 3 to 50 °C ERMES ENABLED	 **FOC 200 IL Connect** From 3 to 50 °C ERMES ENABLED ILLUMINATED

Flocculators

Velp flocculators support labs involved in Jar Testing and Leaching Test aimed at improving water quality and environmental safety.

Jar Testing simulates coagulation and flocculation processes in water treatment, allowing operators to fine-tune chemical dosages for optimal plant performance. The leaching test is critical for assessing the environmental impact of solid materials by analyzing how contaminants migrate into water.

3 YEARS WARRANTY

Digital

JLT 6

- 6 positions
- Programmable speed and time
- Digital

JLT 4

- 4 positions
- Programmable speed and time
- Digital

Independent positions

FC6S

- 6 positions
- Independently selectable speeds for each position

FC4S

- 4 positions
- Independently selectable speeds for each position

Portable

FP4

- Portable digital flocculator
- 4 positions
- Digital

Other Laboratory Equipment Solutions

TB1 Turbidimeter

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

OCB Open Circulating Baths

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

SP 311 Peristaltic Pump

- Tubing (2 diameters available)
- Electronic speed control
- Pressure: 10 metres water column

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

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Driven by curiosity

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