# Laboratory Equipment

velp®

Driven by curiosity

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# 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.

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# Velp 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 any smart device. Control your analysis and the instruments' working conditions in real time, and receive immediate notifications and alerts.

### Remote Service Support

Velp Ermes can help you get the most out of your instruments by providing direct contact with Velp specialists and official partners.

### Your Instruments are Always Updated

Your instrument can be connected via secure Wi-Fi or cable, and the software can be updated immediately at no cost.

### Safely Manage your Data

Collect and store your data with maximum encryption and cybersecurity standards.
Generate and share your analysis reports in multiple formats.

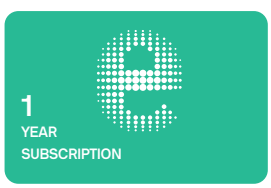
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## Velp Ermes Subscriptions

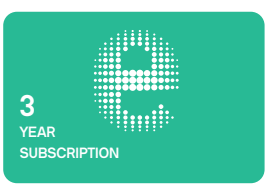
Set up your account and connect your instruments to access all Velp Ermes services and features free of charge for the first three months. After the trial period, you can choose to extend your subscription with an Ermes Card, available for 1 or 3 years. Each card allows you to connect up to 10 instruments within your organization.




**FREE TRIAL**
3 Months per instrument




**1 YEAR / 10 INSTRUMENTS**
Code E00010012




**3 YEARS / 10 INSTRUMENTS**
Code E00010036

# Magnetic Stirrers

## MSL 50 Digital

High volume magnetic stirrer with digital display to accurately set the working conditions. Programmable operations with the integrated timer and auto-reverse. Main applications of MSL 50 Digital are high volumes preparations, cell cultures and tissue cultures, buffer solution preparations.

**Precise and Programmable**
SpeedServo™ technology maintains costant speed. Unattended stirring from 1 minute to 99 h 59 minutes.

**Robust and Versatile**
The brushless motor provides continuous operation for high volumes at any speed. Robust stainless steel top for easy visualization of color changes and particles.

- Volume ($H_2O$) 50 L
- Stirring speed from 20 to 1000 rpm
- Timer & Auto-reverse




3 YEARS WARRANTY

| | | |
|---|---|---|
| MSL 50 Digital | 100÷240 V / 50-60 Hz | **F203A0512** |

## MSL 25 Digital

High volume magnetic stirrer with digital display to accurately set the working conditions. Programmable operations with the integrated timer and auto-reverse. Main applications of MSL 25 Digital are high volumes preparations, cell cultures and tissue cultures, buffer solution preparations.

**Precise and Programmable**
SpeedServo™ technology maintains costant speed. Unattended stirring from 1 minute to 99 h 59 minutes.

**Robust and Versatile**
The brushless motor provides continuous operation for high volumes at any speed. Robust stainless steel top for easy visualization of color changes and particles.

- Volume ($H_2O$) 25 L
- Stirring speed from 40 to 1500 rpm
- Timer & Auto-reverse




3 YEARS WARRANTY

| | | |
|---|---|---|
| MSL 25 Digital | 100÷240 V / 50-60 Hz | **F203A0511** |

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# MSL 8 Digital

High volume magnetic stirrer with digital display to accurately set the working conditions. Programmable operations with the integrated timer and auto-reverse. Main applications of MSL 8 Digital are high volumes preparations, cell cultures and tissue cultures, buffer solution preparations.

**Precise and Programmable**
SpeedServo™ technology maintains costant speed.
Unattended stirring from 1 minute to 99 h 59 minutes.

**Robust and Versatile**
The brushless motor provides continuous operation for high volumes at any speed. Robust stainless steel top for easy visualization of color changes and particles.

- Volume ($H_2O$) 8 L
- Stirring speed from 40 to 1500 rpm
- Timer & Auto-reverse
- Safety Lock




3 YEARS WARRANTY

| | | |
|---|---|---|
| MSL 8 Digital | 100÷240 V / 50-60 Hz | **F203A0510** |

# MSL 8

Magnetic stirrer guaranteeing continuous operations at any speed ensuring safety and resistance to chemical agents. MSL 8 has a gentle start in order to protect the sample. The control panel is protected from liquid spills.

**Precise and Programmable**
SpeedServo™ technology maintains costant speed.

**Robust and Versatile**
The brushless motor provides continuous operation for high volumes at any speed. Robust stainless steel top for easy visualization of color changes and particles.

- Volume ($H_2O$) 8 L
- Stirring speed from 40 to 1500 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| MSL 8 | 100÷240 V / 50-60 Hz | **F203A0513** |

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# MST Digital

Compact magnetic stirrer with digital display with accurate speed setting, timer and auto-reverse. The white surface is designed to facilitate the visualization of particles and color change. MST Digital allows continuous operation and remains cold even after days of continuous use. Main applications in microbiology, biochemistry and chemistry.

**Precise and Programmable**
SpeedServo™ technology maintains costant speed.
Unattended stirring from 1 to 900 minutes.

**Powerful**
Equipped with a powerful brushless motor.

- Volume ($H_2O$) 5 L
- Stirring speed up to 1500 rpm
- Timer & Auto-reverse
- Safety Lock




3 YEARS WARRANTY

| | | |
|---|---|---|
| MST Digital | 100÷240 V / 50-60 Hz | **F203A0450** |

# MST

Powerful and compact magnetic stirrer with a low profile. The white surface is designed to facilitate the visualization of particles and color change. MST allows continuous operation and remains cold even after days of continuous use. Main applications in microbiology, biochemistry and chemistry.

**Resistant**
The technopolymer structure ensures maximum resistace to chemicals.

- Volume ($H_2O$) 5 L
- Stirring speed up to 1100 rpm




3 YEARS WARRANTY

| | | |
|---|---|---|
| MST | 100÷240 V / 50-60 Hz | **F203A0440** |

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# MICROSTIRRER

Compact and light weight magnetic stirrer with metal structure for visualization of particles and color changes.
Specially designed for microtitrations.

**Reliable**
It remains cold, even after days of continuous use and guarantees excellent speed control, even at low speed.

- Volume ($H_2O$) 5 L
- Stirring speed up to 1100 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| MICROSTIRRER | 100÷240 V / 50-60 Hz | **F203A0161** |

# ESP

Flat and light weight magnetic stirrer with no moving mechanical components: it is therefore maintenance-free. The clear surface is ideal for visualization of particles and color changes.

**Resistant**
The control panel is protected from liquid spills with run-off groove and the technopolymer casing resists chemicals.

- Volume ($H_2O$) 5 L
- Stirring speed up to 1100 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| ESP | 100÷240 V / 50-60 Hz | **F206A0179** |

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# MULTISTIRRER 15 Digital

Multi position magnetic stirrer with stainless steel top for the simultaneous stirring of 15 positions. A bright digital display to accurately set the stirring speed, timer, and auto-reverse. Ideal for chemistry, microbiology, biochemistry applications.

**Precise and Programmable**
SpeedServo™ technology maintains costant speed.
Unattended stirring from 1 minute to 99 h : 59 minutes.

**Resistant**
Stainless steel top plate. The control panel is shielded from liquid spills.

- Volume ($H_2O$) 250 ml (x15)
- Stirring speed from 80 to 1500 rpm
- Timer & Auto-reverse
- Safety Lock




3 YEARS WARRANTY

| | | |
|---|---|---|
| MULTISTIRRER 15 Digital | 100÷240 V / 50-60 Hz | **F203A0180** |

# MULTISTIRRER 6 Digital

Multi position magnetic stirrer with stainless steel top for the simultaneous stirring of 6 positions. A bright digital display to accurately set the stirring speed, timer, and auto-reverse. Ideal for chemistry, microbiology, biochemistry applications.

**Precise and Programmable**
SpeedServo™ technology maintains costant speed.
Unattended stirring from 1 minute to 99 h : 59 minutes.

**Resistant**
Stainless steel top plate. The control panel is shielded from liquid spills.

- Volume ($H_2O$) 400 ml (x6)
- Stirring speed from 80 to 1500 rpm
- Timer & Auto-reverse
- Safety Lock




3 YEARS WARRANTY

| | | |
|---|---|---|
| MULTISTIRRER 6 Digital | 100÷240 V / 50-60 Hz | **F203A0179** |

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# MULTISTIRRER 15

Multi position magnetic stirrer with stainless steel top for the simultaneous stirring of 15 positions. Pale surface for visualization of particles and color changes. Remains cold, even after days of continuous use. Ideal for chemistry, microbiology, biochemistry applications.

**Precise**
SpeedServo™ technology maintains costant speed.

**Resistant**
Stainless steel top plate. The control panel is shielded from liquid spills.

- Volume ($H_2O$) 250 ml (x15)
- Stirring speed from 80 to 1500 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| MULTISTIRRER 15 | 100÷240 V / 50-60 Hz | **F203A0178** |

# MULTISTIRRER 6

Multi position magnetic stirrer with stainless steel top for the simultaneous stirring of 6 positions. Pale surface for visualization of particles and color changes. Remains cold, even after days of continuous use. Ideal for chemistry, microbiology, biochemistry applications.

**Precise**
SpeedServo™ technology maintains costant speed.

**Resistant**
Stainless steel top plate. The control panel is shielded from liquid spills.

- Volume ($H_2O$) 400 ml (x6)
- Stirring speed from 80 to 1500 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| MULTISTIRRER 6 | 100÷240 V / 50-60 Hz | **F203A0177** |

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# AMI

Illuminated magnetic stirrer particularly useful for titrations. The illuminated surface facilitates the visualization of particles and color changes. It guarantees excellent speed control (electronic), even at low speed.

**Resistant**
Epoxy-coated tough steel casing and stainless steal cover. The control panel
is shielded from liquid spills.

**Reliable**
It remains cold, even after days of continuous use and is equipped with a
pale surface for visualization of particles and color changes.

- Volume ($H_2O$) 5 L
- Stirring speed up to 1100 rpm
- LED



ILLUMINATED

3 YEARS WARRANTY

| | | |
|---|---|---|
| AMI | 100÷240 V / 50-60 Hz | **F204A0167** |

# AMI 4

Illuminated multi-position magnetic stirrer particularly useful for titrations. The illuminated surface facilitates the visualization of particles and color changes. It guarantees excellent speed control (electronic), even at low speed.

**Resistant**
Epoxy-coated tough steel casing and stainless steal cover. The control panel is shielded from liquid spills.

**Reliable**
It remains cold, even after days of continuous use and is equipped with a pale surface for visualization of particles and color changes.

- Volume ($H_2O$) 5 L (x4)
- Stirring speed up to 1100 rpm
- LED



ILLUMINATED

3 YEARS WARRANTY

| | | |
|---|---|---|
| AMI 4 | 100÷240 V / 50-60 Hz | **F204A0168** |

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# Accessories - Magnetic Stirrer

| | MST | MST Digital | MICRO-STIRRER | ESP | MSL 8 | MSL 8 Digital | MSL 25 Digital | MSL 50 Digital | AMI | AMI 4 | MULTISTIRRER | MULTISTIRRER Digital |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A00001057**<br>Magnetic stir bar,<br>Ø 6x20 mm | ● | ● | ● | | | | | | ● | ● | ● | ● |
| **A00001056**<br>Magnetic stir bar,<br>Ø 6x35 mm | ● | ● | ● | | ● | ● | | | ● | ● | ● | ● |
| **A00001061**<br>Magnetic stir bar,<br>Ø 9.5x60mm | | | | | | | | ● | | | | |
| **A00000356**<br>Magnetic stir bar,<br>Ø 8x40 mm | | | | ● | ● | ● | | | | | | |
| **A00000387**<br>Magnetic stir bar,<br>Ø 8x50 mm | | | | | | | ● | | | | | |
| **A00001055**<br>Thermostatic bath for samples,<br>280x180x410 mm | | | | | | | | | | | ● | ● |
| **10003083**<br>Plug USA for power supply | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **10003084**<br>Plug UK for power supply | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **10003085**<br>Plug AU for power supply | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |




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# Heating Magnetic Stirrer

## AREX 5 Advance



Advanced hot plate stirrer that delivers powerful performance, precise thermoregulation, and smart connectivity. The intuitive interface with capacitive buttons and tempered glass panel enables effortless control of all parameters. Set temperature ramps, monitor viscosity, and optimize your workflow.

**Elevating Laboratory Standards**
Switch between multiple heating and stirring modes and choose the connectivity option: remote control via Velp Ermes Cloud Platform or local data management via ControllerSoft™ Software.

**Precise Thermoregulation**
Excellent temperature accuracy and reproducibility with Pt100, Pt1000 Probe and VTF.

**Powerful Stirring**
Brushless motor and strong magnetic coupling ensure consistent, maintenance-free stirring.

**Safe and resistant**
Multiple safety features, including: safety lock button, over-temperature protection, and the "hot" warning above 50°C.

- Volume ($H_2O$) 25 L
- Stirring speed from 30 to 1700 rpm
- Temperature from room temperature to 310 °C
- Timer & Auto-reverse
- Safety Lock
- External connection Pt 100, Pt 1000 Probes
- Ramps up to 9 temperatures, up to 9 speeds

ERMES ENABLED

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Configurations - AREX 5 Advance



AREX 5 Advance



AREX 5 Advance System with Temperature Probe



AREX 5 Advance System with Temperature Probe, Rod and Clamp

c N US 3 YEARS WARRANTY

| | | |
|---|---|---|
| AREX 5 Advance | 230 V / 50-60 Hz | **F20500584** |
| AREX 5 Advance | 115 V / 60 Hz | **F20510584** |
| AREX 5 Advance with Temperature Probe | 230 V / 50-60 Hz | **SA20500584** |
| AREX 5 Advance with Temperature Probe | 115 V / 60 Hz | **SA20510584** |
| AREX 5 Advance with Temperature Probe, Rod and clamp | 230 V / 50-60 Hz | **SC20500584** |
| AREX 5 Advance with Temperature Probe, Rod and clamp | 115 V / 60 Hz | **SC20510584** |

# AREX 5 Digital

Digital hot plate stirrer with white LED display ensuring precise settings and clear readout of the working conditions.
The fast heating, 135 mm diameter CerAlTop™ plate protects from chemicals, scratches and enhances the lifetime of the unit.
The brushless motor guarantees powerful stirring performance.

**Safety and Durability**
A security message "Hot" and an over-temperature protection system together with insulating disk and the robust die-cast aluminum housing ensure superior safety and resistance. IP 42 certified.

**Precise Thermoregulation**
Excellent thermoregulation performance with Pt100, Pt1000 Probe and VTF.

- Volume ($H_2O$) 20 L
- Stirring speed up to 1500 rpm
- Temperature from room temperature to 310 °C
- Timer
- External connection Pt 100 and Pt 1000 Probes
- External connection VTF




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## Configurations - AREX 5 Digital



AREX 5 Digital



AREX 5 Digital System with Temperature Probe



AREX 5 Digital System with Temperature Probe, Rod and Clamp



AREX 5 Digital System with VTF

3 YEARS WARRANTY

| | | |
|---|---|---|
| AREX 5 Digital | 230 V / 50-60 Hz | **F20500580** |
| AREX 5 Digital | 115 V / 60 Hz | **F20510580** |
| AREX 5 Digital with Temperature Probe | 230 V / 50-60 Hz | **SA20500580** |
| AREX 5 Digital with Temperature Probe | 115 V / 60 Hz | **SA20510580** |
| AREX 5 Digital with Temperature Probe, Rod and clamp | 230 V / 50-60 Hz | **SC20500580** |
| AREX 5 Digital with Temperature Probe, Rod and clamp | 115 V / 60 Hz | **SC20510580** |
| AREX 5 Digital with VTF | 230 V / 50-60 Hz | **SB20500580** |
| AREX 5 Digital with VTF | 115 V / 60 Hz | **SB20510580** |

# AREX 5

Robust and versatile hot plate stirrer with 135 mm diameter CerAlTop™ plate that protects from chemicals, scratches and enhances the lifetime of the unit. The brushless motor guarantees powerful stirring performance.

**Safety and Durability**
Two illuminated indicators always inform the operator when the heating is on. The insulating disk and the robust die-cast aluminum housing ensure superior resistance. IP 42 certified.

**Precise Thermoregulation**
Excellent thermoregulation of the sample ± 0.5 °C with the VTF.

- Volume ($H_2O$) 20 L
- Stirring speed up to 1500 rpm
- Temperature from room temperature to 310 °C
- Timer
- External connection VTF



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## Configurations - AREX 5



**AREX 5**



**AREX 5 System with VTF**

3 YEARS WARRANTY

| | | |
|---|---|---|
| AREX 5 | 230 V / 50-60 Hz | **F20500570** |
| AREX 5 | 115 V / 60 Hz | **F20510570** |
| AREX 5 with VTF | 230 V / 50-60 Hz | **SA20500570** |
| AREX 5 with VTF | 115 V / 60 Hz | **SA20510570** |

# ARE 5

Entry-level, reliable and robust hot plate stirrer with powerfull stirring performance thanks to the brushless motor and the SpeedServo™ technology. ARE 5 is a reference for many laboratories around the world ranging from university, research centers to industrial.

**Safety and Durability**
Two illuminated indicators always inform the operator when the heating is on. The insulating disk and the robust die-cast aluminum housing ensure superior resistance. IP 42 certified.

**Reliable**
Aluminum alloy top plate (135 mm diameter) ensures a great temperature homogeneity and optimum heat transfer across the entire surface.

- Volume ($H_2O$) 15 L
- Stirring speed up to 1500 rpm
- Temperature from room temperature to 310 °C



3 YEARS WARRANTY

| | | |
|---|---|---|
| **ARE 5** | 230 V / 50-60 Hz | **F20500560** |
| **ARE 5** | 115 V / 60 Hz | **F20510560** |

# Accessories - ARE-AREX 5 Series

| | AREX 5 Advance | AREX 5 Digital | AREX 5 | ARE 5 |
|---|---|---|---|---|
| **A00001062** Magnetic stir bar, Ø 3x6 mm | • | • | • | • |
| **A00001063** Magnetic stir bar, Ø 4,5x12 mm | • | • | • | • |
| **A00001057** Magnetic stir bar, Ø 6x20 mm | • | • | • | • |
| **A00001056** Magnetic stir bar, Ø 6x35 mm | • | • | • | • |
| **A00000356** Magnetic stir bar, Ø 8x40 mm | • | • | • | • |
| **A00001061** Magnetic stir bar, Ø 10x60 mm | • | • | • | • |
| **A00000336** Magnetic cross shape stir bar, Ø 10x5 mm | • | • | • | • |
| **A00000352** Magnetic cross shape stir bar, Ø 20x8 mm | • | • | • | • |
| **A00000354** Magnetic disc stir bar, Ø 10x6 mm | • | • | • | • |
| **A00000268** Temperature Probe AISI 316 Ti Ø 3 mm | • | • | | |
| **A00000349** Temperature Probe glass-coated Ø 5 mm | • | • | | |
| **A00000458** Pt1000 in AISI 316 Ti Ø3 mm | • | • | | |
| **F208B0063** VTF Digital Thermoregulator | • | • | • | |
| **A00000382** Extension for support rod | • | • | • | • |
| **A00000280** Clampe for the Probee | • | • | | |
| **A00000351** Maniglia per rimozione AluBlock | • | • | • | • |
| **A00001069** Support rod | • | • | • | • |

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# AM4 Digital

Multi-position digital hotplate stirrer to manage in parallel four heating plates independently, up to a volume of 20 L each. The brushless motor guarantees powerful stirring performance while the SpeedServo™ system ensures constant speed even when the viscosity changes. The 135 mm diameter CerAlTop™ plates, made of aluminum alloy coated with ceramic, ensure temperature homogeneity and optimum resistance to chemical agents.



**Safety and Durability**
A security message "Hot" and an over-temperature protection system together with an insulating disk and robust die-cast aluminum housing ensure superior safety and resistance.

**Precise Thermoregulation**
Excellent thermoregulation performance with Pt100, Pt1000 Probe and VTF.

- Volume ($H_2O$) 20 L (x4)
- Stirring speed from 50 to 1500 rpm
- Temperature from room temperature to 310 °C
- External Connection Pt100 and Pt1000 probes
- External connection VTF

## Configurations - AM 4 Digital



**AM 4 Digital**



**AM 4 with Temperature Probe, Rod and Clamp**

3 YEARS WARRANTY

| | | |
|---|---|---|
| AM 4 Digital with Temperature Probe, Rod and clamp | 230 V / 50-60 Hz | **F20500600** |
| AM 4 Digital with Temperature Probe, Rod and clamp | 230 V / 50-60 Hz | **SA20500600** |

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# AM 4

Reliable, robust, and versatile multi-position hotplate stirrer with powerful stirring performance thanks to the brushless motor and the SpeedServo™ technology.

**Safety and Durability**
Four illuminated indicators always inform the operator when the heating is on. The insulating disk and the robust die-cast aluminum housing ensure superior resistance.

**Reliable**
Aluminum alloy top plates (135 mm diameter) ensure a great temperature homogeneity and optimum heat transfer across the entire surface.

- Volume ($H_2O$) 15 L (x4)
- Stirring speed up to 1500 rpm
- Temperature from room temperature to 310 °C



3 YEARS WARRANTY

AM4 | 230 V / 50-60 Hz | **F20500590**

# Accessories - AM4 Series

| | AM4 Digital | AM4 |
|---|---|---|
| **A00001062** Magnetic stir bar, Ø 3x6 mm | • | • |
| **A00001063** Magnetic stir bar, Ø 4,5x12 mm | • | • |
| **A00001057** Magnetic stir bar, Ø 6x20 mm | • | • |
| **A00001056** Magnetic stir bar, Ø 6x35 mm | • | • |
| **A00000356** Magnetic stir bar, Ø 8x40 mm | • | • |
| **A00001061** Magnetic stir bar, Ø 10x60 mm | • | • |
| **A00000336** Magnetic cross shape stir bar, Ø 10x5 mm | • | • |
| **A00000352** Magnetic cross shape stir bar, Ø 20x8 mm | • | • |
| **A00000354** Magnetic disc stir bar, Ø 10x6 mm | • | • |
| **A00000268** Temperature Probe AISI 316 Ti Ø 3 mm | • | |
| **A00000349** Temperature Probe glass-coated Ø 5 mm | • | |
| **A00000458** Temperature Probe Pt 1000 Ø3 mm | • | |
| **F208B0063** VTF Digital Thermoregulator | • | |
| **A00000382** Extension for support rod | • | |
| **A00000280** Clamp for the Probe | • | |
| **A00000351** Handle for AluBlock removal | • | • |
| **A00001069** Support rod | • | • |

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# PTFE Safety Cover - Accessories

PTFE safety cover are designed to increase protection and reduce heat loss when working with round bottom flasks and Velp hemispheric bowls.

| | |
|---|---|
| PTFE Safety Cover Hemispheric Bowl 50 ml | **A00000342*** |
| PTFE Safety Cover Hemispheric Bowl 100 ml | **A00000343*** |
| PTFE Safety Cover Hemispheric Bowl 250 ml | **A00000344*** |
| PTFE Safety Cover Hemispheric Bowl 500 ml | **A00000345*** |
| PTFE Safety Cover Hemispheric Bowl 100 ml | **A00000346*** |

* Non disponibile in USA, Messico e Canada

# HEMISPHERIC BOWLS™ - Accessories

The Hemispheric Bowls are the most suitable solution to replace oil baths and mantles in order to perform clean and safe analysis with round bottom flasks. Velp Hemispheric Bowl precisely fit the 135 mm diameter plate and the flask surface, ensuring the fastest heat transfer

| | | Volume |
|---|---|---|
|  | **A00000373** | 25 ml |
|  | **A00000330** | 50 ml |
|  | **A00000331** | 100 ml |
|  | **A00000332** | 250 ml |

| | | Volume |
|---|---|---|
|  | **A00000333** | 500 ml |
|  | **A00000334** | 1 L |
|  | **A00000374** | 3 L |
|  | **A00000375** | 5 L |

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# ALUBLOCKS™ - Accessories

The new MonoAluBlock™ and MultiAluBlock™ permits to perform numerous reactions, reducing time and bench space also achieving the highest stirring and heating performances.
**MonoAluBlock™** are the ideal solution for all the application that require to stir multiple vials of the same dimensions.
**MultiAluBlock™** consist of small combinable segments in order to accommodate different sizes of vials at the same time. The user can select the most suitable mix for his application

| MonoAluBlock™ | | Number of places | Volume (ml) | Vial Diameter (mm) | Hole Depth (mm) |
|---|---|---|---|---|---|
|  | **A00000340** | 17 | 40 | 28 | 43 |
|  | **A00000339** | 17 | 30 | 28 | 30 |
|  | **A00000338** | 17 | 20 | 28 | 24 |
|  | **A00000341** | 40 | 2 | 12 | 14 |

| MultiAluBlock™ | | Number of places | Volume (ml) | Vial Diameter (mm) | Hole Depth (mm) |
|---|---|---|---|---|---|
|  | **A00000324** | 4 | 40 | 28 | 43 |
|  | **A00000325** | 4 | 30 | 28 | 30 |
|  | **A00000326** | 4 | 20 | 28 | 24 |
|  | **A00000327** | 4 | 16 | 21 | 31 |
|  | **A00000328** | 8 | 8 | 17 | 26 |
|  | **A00000329** | 11 | 4 | 15 | 20 |
|  | **A00000337** | 11 | 2 | 12 | 14 |
|  | **A00000323** | 1 | - | - | - |

DOMINIQUE DUTSCHER SAS

# AREC 4 Digital

Digital hotplate stirrer with white LED display ensuring precise settings and clear readout of the working conditions. The robust 4-inch ceramic top plate protects from chemicals, scratches and enhances the lifetime of the unit. The brushless motor guarantees powerful stirring performance. The ideal solution for laboratories with limited bench space.

**Precise Thermoregulation**
Optimum thermoregulation of the medium with Pt100, Pt1000 Probes (± 1 °C) and VTF Digital Thermoregulator (± 0.5 °C).

**Powerful Stirring**
Advanced brushless motor ensuring constant stirring from 100 up to 1500 rpm.

**Safe and Resistant**
A security message "Hot" and an over-temperature protection system. The robust ceramic top offers exceptional resistance and it is easy to clean with a simple wipe-down.

- Volume ($H_2O$) 5 L
- Stirring speed up to 1500 rpm
- Temperature from room temperature to 550 °C
- External connection Pt100 e Pt1000 Probes
- External connection VTF




DOMINIQUE DUTSCHER SAS

## Configurations - AREC 4 Digital



AREC 4 Digital



AREC 4 Digital with Temperature Probe



AREC 4 Digital with Temperature Probe, Rod and Clamp



AREC 4 Digital with VTF

3 YEARS WARRANTY

| | | |
|---|---|---|
| AREC 4 Digital | 230 V / 50-60 Hz | **F20500671** |
| AREC 4 Digital | 115 V / 60 Hz | **F20510671** |
| AREC 4 Digital with Temperature Probe | 230 V / 50-60 Hz | **SA20500671** |
| AREC 4 Digital with Temperature Probe | 115 V / 60 Hz | **SA20510671** |
| AREC 4 Digital with Temperature Probe, rod and clamp | 230 V / 50-60 Hz | **SC20500671** |
| AREC 4 Digital with Temperature Probe, rod and clamp | 115 V / 60 Hz | **SC20510671** |
| AREC 4 Digital with VTF | 230 V / 50-60 Hz | **SB20500671** |
| AREC 4 Digital with VTF | 115 V / 60 Hz | **SB20510671** |

# AREC 4

Entry-level hotplate stirrer, featuring a ceramic top plate, a powerful brushless motor and the SpeedServo™ technology, for consistent heating and stirring performance. AREC 4 is designed for everyday lab use. The compact size saves valuable bench space.

**Reliable and Efficient**
Advanced heating technology ensures uniform temperature distribution and efficient heating performance. Brushless motor provides consistent stirring.

**Safe and Resistant**
Two illuminated indicators always inform the operator when the heating is on. The robust ceramic top offers exceptional resistance and it is easy to clean with a simple wipe-down.

- Volume ($H_2O$) 5 L
- Stirring speed up to 1500 rpm
- Temperature from room temperature to 550 °C



3 YEARS WARRANTY

| | | |
|---|---|---|
| AREC 4 | 230 V / 50-60 Hz | **F20500670** |
| AREC 4 | 115 V / 60 Hz | **F20510670** |

DOMINIQUE DUTSCHER SAS

# AREC 7 Advance

Advanced hot plate stirrer that delivers powerful performance, precise thermoregulation, and smart connectivity to support reliable and efficient lab work. The 7x7-inch ceramic top ensures excellent chemical resistance and easy cleaning, while the intuitive interface with capacitive buttons and tempered glass panel enables effortless control of all parameters. Set temperature ramps, monitor viscosity, and optimize your workflow with confidence.

**Elevating laboratory standards**
Switch between multiple heating and stirring modes and choose the connectivity option that suits your workflow best: remote control via Velp Ermes Cloud Platform (Wi-Fi) or local data management via PC and USB flash drive (USB-C).

**Precise Thermoregulation**
Excellent temperature accuracy and reproducibility with Pt100, Pt1000 Probe, and VTF.

**Powerful Stirring**
Brushless motor and strong magnetic coupling ensure consistent, maintenance-free stirring.

**Safe and Resistant**
Multiple safety features, including: safety lock button external Probee safety alarm, over-temperature protection and safety circuits, and the "hot" warning above 50°C.



ERMES ENABLED

- Volume ($H_2O$) 20 L
- Stirring speed from 30 to 1700 rpm
- Temperature from room temperature to 550 °C
- Ramps up to 9 temperatures, up to 9 speeds
- Timer & Auto-reverse
- Safety Lock
- External connection Pt 100, Pt 1000 Probes and VTF

## Configurations - AREC 7 Advance



AREC 7 Advance



AREC 7 Advance with Temperature Probe



AREC 7 Advance with Temperature Probe, Rod and Clamp

3 YEARS WARRANTY

| | | |
|---|---|---|
| AREC 7 Advance | 230 V / 50-60 Hz | **F20500682** |
| AREC 7 Advance | 115 V / 60 Hz | **F20510682** |
| AREC 7 Advance with Temperature Probe | 230 V / 50-60 Hz | **SA20500682** |
| AREC 7 Advance with Temperature Probe | 115 V / 60 Hz | **SA20510682** |
| AREC 7 Advance with Temperature Probe, Rod and clamp | 230 V / 50-60 Hz | **SC20500682** |
| AREC 7 Advance with Temperature Probe, Rod and clamp | 115 V / 60 Hz | **SC20510682** |

Includes: Magnetic stir bar Ø 8x40 mm.

DOMINIQUE DUTSCHER SAS

# AREC 7 Digital

Digital hotplate stirrer with white LED display ensuring precise settings and clear readout of the working conditions. The robust 7-inch ceramic top plate protects from chemicals and scratches and enhances the lifetime of the unit. The brushless motor guarantees powerful stirring performance.

**Precise Thermoregulation**
Excellent thermoregulation performance with Pt100, Pt1000 Probe, and VTF.

**Powerful Stirring**
Advanced brushless motor ensuring constant stirring from 100 up to 1500 rpm.

**Safe and Resistant**
A security message "Hot" and an over-temperature protection system. The robust ceramic top offers exceptional resistance and it is easy to clean with a simple wipe-down.

- Volume ($H_2O$) 15 L
- Stirring speed up to 1500 rpm
- Temperature from room temperature to 550 °C
- External connection Pt 100 and Pt 1000 Probe
- External connection VTF



DOMINIQUE DUTSCHER SAS

## Configurations - AREC 7 Digital



AREC 7 Digital



AREC 7 Digital System with Temperature Probe



AREC 7 Digital System with Temperature Probe, Rod and clamp



AREC 7 Digital System with VTF

3 YEARS WARRANTY

| | | |
|---|---|---|
| AREC 7 Digital | 230 V / 50-60 Hz | **F20500681** |
| AREC 7 Digital | 115 V / 60 Hz | **F20510681** |
| AREC 7 Digital | 100 V / 50-60 Hz | **F20580681** |
| AREC 7 Digital with Temperature Probe | 230 V / 50-60 Hz | **SA20500681** |
| AREC 7 Digital with Temperature Probe | 115 V / 60 Hz | **SA20510681** |
| AREC 7 Digital with Temperature Probe, Rod and clamp | 230 V / 50-60 Hz | **SC20500681** |
| AREC 7 Digital with Temperature Probe, Rod and clamp | 115 V / 60 Hz | **SC20510681** |
| AREC 7 Digital with VTF | 230 V / 50-60 Hz | **SB20500681** |
| AREC 7 Digital with VTF | 115 V / 60 Hz | **SB20510681** |

# AREC 7

Robust and reliable analog hotplate stirrer, for consistent heating and stirring performance in everyday lab use.

**Reliable and Efficient**
Advanced heating technology ensures uniform temperature distribution and efficient heating performance. A brushless motor and the SpeedServo™ technology provide consistent stirring.

**Safe and Resistant**
A warning icon illuminates when the plate temperature exceeds 50°C and the heating function is inactive. The robust ceramic top offers exceptional resistance and it is easy to clean with a simple wipe-down.

- Volume ($H_2O$) 15 L
- Stirring speed up to 1500 rpm
- Temperature from room temperature to 550 °C



3 YEARS WARRANTY

| | | |
|---|---|---|
| AREC 7 | 230 V / 50-60 Hz | **F20500680** |
| AREC 7 | 115 V / 60 Hz | **F20510680** |
| AREC 7 | 100 V / 50-60 Hz | **F20580680** |

DOMINIQUE DUTSCHER SAS




DOMINIQUE DUTSCHER SAS

# AREC 10 Advance

Advanced hot plate stirrer that delivers powerful performance, precise thermoregulation, and smart connectivity to support reliable and efficient lab work. The spacious 10x10 ceramic top ensures excellent chemical resistance and is ideal for larger vessels or high-volume tasks. The intuitive interface with capacitive buttons and tempered glass panel enables effortless control of all parameters. Set temperature ramps, monitor viscosity, and optimize your workflow with confidence.



**Elevating Laboratory Standards**
Switch between multiple heating and stirring modes and choose the connectivity option that suits your workflow best: remote control via Velp Ermes Cloud Platform (Wi-Fi) or local data management via PC and USB flash drive (USB-C).

**Precise Thermoregulation**
Excellent temperature accuracy and reproducibility with Pt100, Pt1000 Probe, and VTF.

**Powerful Stirring**
Brushless motor and strong magnetic coupling ensure consistent, maintenance-free stirring.

**Safe and Resistant**
Multiple safety features, including: safety lock button external Probee safety alarm,
over-temperature protection and safety circuits, and the "hot" warning above 50°C.

ERMES ENABLED

- Volume ($H_2O$) 25 L
- Stirring speed from 30 to 1700 rpm
- Temperature from room temperature to 550 °C
- Ramps up to 9 temperatures, up to 9 speeds
- Timer & Auto-reverse
- Safety Lock
- External connection Pt 100, Pt 1000 Probes

## Configurations - AREC 10 Advance



AREC 10 Advance



AREC 10 Advance with Temperature Probe



AREC 10 Advance with Temperature Probe, Rod and Clamp

3 YEARS WARRANTY

| | | |
|---|---|---|
| AREC 10 Advance | 230 V / 50-60 Hz | **F20500692** |
| AREC 10 Advance | 115 V / 60 Hz | **F20510692** |
| AREC 10 Advance with Temperature Probe | 230 V / 50-60 Hz | **SA20500692** |
| AREC 10 Advance with Temperature Probe | 115 V / 60 Hz | **SA20510692** |
| AREC 10 Advance with Temperature Probe, Rod and clamp | 230 V / 50-60 Hz | **SC20500692** |
| AREC 10 Advance with Temperature Probe, Rod and clamp | 115 V / 60 Hz | **SC20510692** |

DOMINIQUE DUTSCHER SAS

# AREC 10 Digital

Digital hotplate stirrer with white LED display ensuring precise settings and clear readout of the working conditions. The robust 10-inch ceramic top plate protects from chemicals, scratches and enhances the lifetime of the unit. The brushless motor guarantees powerful stirring performance. The ideal solution for laboratories requiring a spacious working surface.

**Precise Thermoregulation**
Optimum thermoregulation of the medium with Pt100, Pt1000 Probees (± 1 °C) and VTF Digital Thermoregulator (± 0.5 °C).

**Powerful Stirring**
Advanced brushless motor ensuring constant stirring from 100 up to 1500 rpm.

**Safe and Resistant**
A security message "Hot" and an over-temperature protection system. The robust ceramic top offers exceptional resistance and it is easy to clean with a simple wipe-down.

- Volume ($H_2O$) 25 L
- Stirring speed Up to 1500 rpm
- Temperature from room temperature to 550 °C
- External connection VTF
- External connection Pt100 and Pt1000 Probe



DOMINIQUE DUTSCHER SAS

## Configurations - AREC 10 Digital



AREC 10 Digital



AREC 10 Digital with Temperature Probe



AREC 10 Digital with Temperature Probe, Rod and Clamp



AREC 10 Digital with VTF

3 YEARS WARRANTY

| | | |
|---|---|---|
| AREC 10 Digital | 230 V / 50-60 Hz | **F20500691** |
| AREC 10 Digital | 115 V / 60 Hz | **F20510691** |
| AREC 10 Digital | 100 V / 50-60 Hz | **F20580691** |
| AREC 10 Digital with Temperature Probe | 230 V / 50-60 Hz | **SA20500691** |
| AREC 10 Digital with Temperature Probe | 115 V / 60 Hz | **SA20510691** |
| AREC 10 Digital with Temperature Probe, Rod and clamp | 230 V / 50-60 Hz | **SC20500691** |
| AREC 10 Digital with Temperature Probe, Rod and clamp | 115 V / 60 Hz | **SC20510691** |
| AREC 10 Digital with VTF | 230 V / 50-60 Hz | **SB20500691** |
| AREC 10 Digital with VTF | 115 V / 60 Hz | **SB20510691** |

# Accessories - AREC Series

| | AREC 4 Digital | AREC 4 | AREC 7 Advance | AREC 7 Digital | AREC 7 | AREC 10 Advance | AREC 10 Digital |
|---|---|---|---|---|---|---|---|
| A00000273<br>Hemispheric bowl for 50 ml | ● | ● | ● | ● | ● | ● | ● |
| A00000258<br>Hemispheric bowl for 100 ml | ● | ● | ● | ● | ● | ● | ● |
| A00001071<br>Hemispheric bowl for 250 ml | ● | ● | ● | ● | ● | ● | ● |
| A00001072<br>Hemispheric bowl for 500 ml | ● | ● | ● | ● | ● | ● | ● |
| A00001073<br>Hemispheric bowl for 1000 ml | ● | ● | ● | ● | ● | ● | ● |
| A00001056<br>Magnetic stir bar Ø6x35 mm | ● | ● | ● | ● | ● | ● | ● |
| A00000356<br>Magnetic stir bar Ø8x40 mm | ● | ● | ● | ● | ● | ● | ● |
| A00000387<br>Magnetic stir bar Ø8x50 mm | ● | ● | ● | ● | ● | ● | ● |
| A00001061<br>Magnetic stir bar Ø10x60 mm | ● | ● | ● | ● | ● | ● | ● |
| A00000355<br>Magnetic disc stir bar Ø20x10 mm | ● | ● | ● | ● | ● | ● | ● |
| A00001069<br>Support rod | ● | ● | ● | ● | ● | ● | ● |
| A00000382<br>Extension for support rod | ● | ● | ● | ● | ● | ● | ● |
| A00000280<br>Clamp for PT100 probe | ● | | ● | ● | | ● | ● |
| A00000268<br>Temperature Probe AISI 316 Ti Ø 3 mm | ● | | ● | ● | | ● | ● |
| A00000349<br>Temperature Probe glass coated Ø 5 mm | ● | | ● | ● | | ● | ● |
| F208B0063<br>VTF Digital Thermoregulator | ● | | ● | ● | | ● | ● |
| E00010012<br>Velp Ermes 1 Year Connection | | | ● | | | ● | |
| E00010036<br>Velp Ermes 3 Years Connection | | | ● | | | ● | |

DOMINIQUE DUTSCHER SAS

# MULTI-HS 15 Digital

Digital multi-position magnetic stirrer with heating designed to guarantee excellent stirring and heating performance for application with 15 positions working under identical conditions. The MULTI-HS presents exclusive features such as timer, autoreverse, safety lock, SpeedServo™ technology and CerAlTop™ plate.



**Excellent Performance**
The brushless motors ensure longevity and guarantee constant speed in all positions.

**Safe and Programmabile**
Safe hot plate warnings when the plate temperature is above 50 °C.
Lock feature to prevent unintentional modifications.
Unattended stirring from 1 minute to 99 h : 59 minutes.

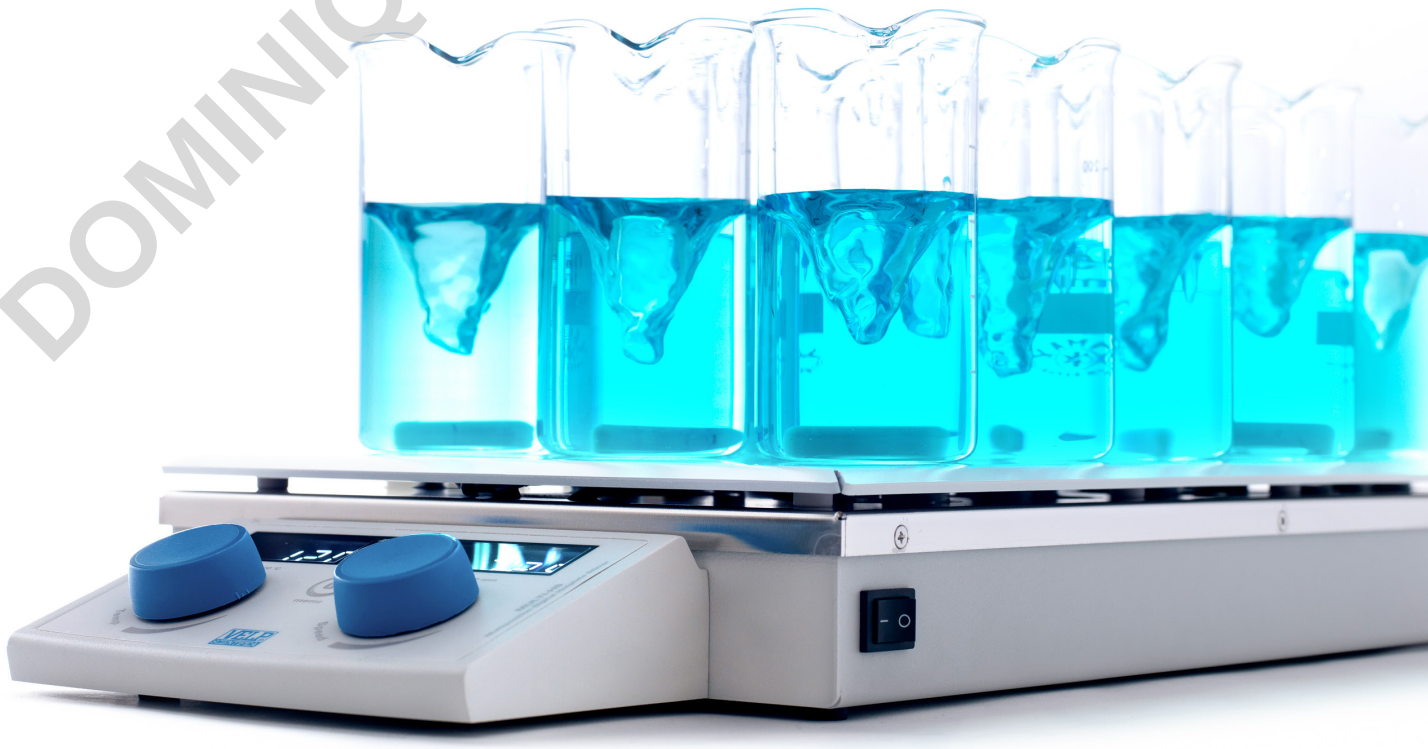
**Easy to Use**
Easy to operate digital interface with icons. An acoustic signal/sound informs you when the countdown is over.

- Volume ($H_2O$) 250 ml (x15)
- Stirring speed from 100 to 1000 rpm
- Temperature from room temperature to 120 °C
- Timer & Auto-reverse
- Safety Lock

3 YEARS WARRANTY

| | | |
|---|---|---|
| MULTI-HS 15 Digital | 230 V / 50-60 Hz | **F20500531** |
| MULTI-HS 15 Digital | 115 V / 60 Hz | **F20510531** |

DOMINIQUE DUTSCHER SAS



# MULTI-HS 6 Digital

Digital multi-position magnetic stirrer with heating designed to guarantee excellent stirring and heating performance for application with 6 positions working under identical conditions. The MULTI-HS presents exclusive features such as timer, autoreverse, safety lock, SpeedServo™ technology and CerAlTop™ plate.

**Excellent Performance**
The brushless motors ensure longevity and guarantee constant speed in all positions.

**Safe and Programmabile**
Safe hot plate warnings when the plate temperature is above 50 °C.
Lock feature to prevent unintentional modifications.
Unattended stirring from 1 minute to 99 h : 59 minutes.

**Easy to Use**
Easy to operate digital interface with icons. An acoustic signal/sound informs you when the countdown is over.

- Volume ($H_2O$) 400 ml (x6)
- Stirring speed from 100 to 1000 rpm
- Temperature from room temperature to 120 °C
- Timer & Auto-reverse
- Safety Lock



3 YEARS WARRANTY

| | | |
|---|---|---|
| MULTI-HS 6 Digital | 230 V / 50-60 Hz | **F20500530** |
| MULTI-HS 6 Digital | 115 V / 60 Hz | **F20510530** |

# Accessories - MULTI-HS

| | MULTI-HS 6 Digital | MULTI-HS 15 Digital |
|---|---|---|
| **A00001056**<br>Magnetic stir bar Ø 6x35 mm | • | • |
| **A00001057**<br>Magnetic stir bar Ø 6x20 mm | • | • |

DOMINIQUE DUTSCHER SAS

# VTF

The VTF thermoregulator guarantees premium performance in terms of temperature control with an accuracy of ± 0.5 °C. It automatically adjusts the thermoregulation to different factors such as power, load and thermal dispersion.

**Easy to Use**
The VTF is equipped with a unique and innovative integrated system to simplify installation on the support rod.

- Temperature from - 10 to 300 °C
- Timer from 0 minute to 24 : 59 hours



3 YEARS WARRANTY

| | | |
|---|---|---|
| VTF | 12 V dc | **F208B0063** |

# Accessories - VTF

| | VTF |
|---|---|
| **A00000002**<br>Probe extension cable, 1 m | • |
| **A00000003**<br>Glass probe | • |
| **A00000280**<br>Clamp for Pt100 Probe | • |
| **A00001069**<br>Support rod | • |

DOMINIQUE DUTSCHER SAS

# Heating Plates

## RC 5

Single-position heating plate with aluminum top and temperature regulation. It is designed for the longest lifespan and guarantees excellent resistance to chemicals. It accepts different combinations of AluBlocks™ that can maximize temperature control and save handling time.

**Safety and Durability**
Two illuminated indicators always inform the operator when the heating is on.
The insulating disk and the robust die-cast aluminum housing ensure superior
resistance. IP 42 certified.

**Reliable**
Aluminum alloy top plate (135 mm diameter) ensures a great temperature
homogeneity and optimum heat transfer across the entire surface.

- Volume ($H_2O$) 15 L
- Temperature range from room temperature to 310 °C



3 YEARS WARRANTY

| | | |
|---|---|---|
| RC 5 | 230 V / 50-60 Hz | **F20700610** |
| RC 5 | 115 V / 60 Hz | **F20710610** |

## RC2

Two-position heating plate with aluminum top and temperature regulation. It is designed for the longest lifespan and guarantees excellent resistance to chemicals. It accepts different combinations of AluBlocks™ that can maximize temperature control and save handling time.

**Safe and Resistant**
Two illuminated indicators always inform the operator when the heating is on. The insulating disk and the robust die-cast aluminum housing ensure superior resistance.

**Reliable**
Aluminum alloy top plates (135 mm diameter) ensure a great temperature homogeneity and optimum heat transfer across the entire surface.

- Volume ($H_2O$) 15 L (x2)
- Temperature range from room temperature to 310 °C



3 YEARS WARRANTY

| | | |
|---|---|---|
| RC 2 | 230 V / 50-60 Hz | **F20700620** |
| RC 2 | 115 V / 60 Hz | **F20710620** |

DOMINIQUE DUTSCHER SAS

# REC 7 Digital

Digital heating plate with a ceramic top and temperature regulation. It is designed for durability and guarantees excellent resistance to chemicals.
It is ideal for everyday laboratory heating tasks.

**Reliable and Efficient**
Advanced heating technology ensures uniform temperature distribution and efficient heating performance.
The digital display for precise temperature settings up to 550°C.

**Safe and Resistant**
A security message "Hot" and an over-temperature protection system. The robust ceramic top offers exceptional resistance and it is easy to clean with a simple wipe-down.

- Volume ($H_2O$) 15 L
- Temperature from room temperature to 550 °C



3 YEARS WARRANTY

| | | |
|---|---|---|
| REC 7 Digital | 230 V / 50-60 Hz | **F20700683** |
| REC 7 Digital | 115 V / 60 Hz | **F20710683** |
| REC 7 Digital | 100 V / 50-60 Hz | **F20780683** |

# REC 10 Digital

Digital heating plate with a spacious ceramic surface, designed to guarantee precise temperature control, durability and excellent resistance to chemicals.

**Reliable and Efficient**
Advanced heating technology ensures uniform temperature distribution and precise thermoregulation of the medium with Pt100, Pt1000 probes (± 1 °C) and VTF (± 0.5 °C).

**Safe and Resistant**
A security message "Hot" and an over-temperature protection system. The robust ceramic top offers exceptional resistance and it is easy to clean with a simple wipe-down.

- Volume ($H_2O$) 25 L
- Temperature from room temperature to 550 °C



3 YEARS WARRANTY

| | | |
|---|---|---|
| REC 10 Digital | 230 V / 50-60 Hz | **F20700693** |
| REC 10 Digital | 115 V / 60 Hz | **F20710693** |
| REC 10 Digital | 100 V / 50-60 Hz | **F20780693** |

DOMINIQUE DUTSCHER SAS

# Accessories - Heating Plates

| | RC 5 | RC 2 | REC 7 | REC 10 |
|---|---|---|---|---|
| **A00000373**<br>Hemispheric bowl for 25 ml flasks | ● | ● | | |
| **A00000330**<br>Hemispheric bowl for 50 ml flasks | ● | ● | | |
| **A00000273**<br>Hemispheric bowl for 50 ml flasks | | | ● | ● |
| **A00000331**<br>Hemispheric bowl for 100 ml flasks | ● | ● | | |
| **A00000258**<br>Hemispheric bowl for 100 ml flasks | | | ● | ● |
| **A00000332**<br>Hemispheric bowl for 250 ml flasks | ● | ● | | |
| **A00001071**<br>Hemispheric bowl for 250 ml flasks | | | ● | ● |
| **A00000333**<br>Hemispheric bowl for 500 ml flasks | ● | ● | | |
| **A00001072**<br>Hemispheric bowl for 500 ml flasks | | | ● | ● |
| **A00001073**<br>Hemispheric bowl for 1000 ml flasks | | | ● | ● |
| **A00000334**<br>Hemispheric bowl for 1000 ml flasks | ● | ● | | |
| **A00000374**<br>Hemispheric bowl for 3 L flasks | ● | ● | | |
| **A00000375**<br>Hemispheric bowl for 5 L flasks | ● | ● | | |
| **A00000323**<br>MultiAluBlock™ Base Ø135 mm | ● | ● | | |
| **A00000324**<br>MultiAluBlock™, 4 pos. Ø 28 x h 43 mm | ● | ● | | |
| **A00000325**<br>MultiAluBlock™, 4 pos. Ø 28 x h 30 mm | ● | ● | | |
| **A00000326**<br>MultiAluBlock™, 4 pos. Ø 28 x h 24 mm | ● | ● | | |
| **A00000327**<br>MultiAluBlock™, 4 pos. Ø 21 x h 31 mm | ● | ● | | |
| **A00000328**<br>MultiAluBlock™, 8 pos. Ø 17 x h 26 mm | ● | ● | | |
| **A00000329**<br>MultiAluBlock™, 11 pos. Ø 15 x h 20 mm | ● | ● | | |
| **A00000337**<br>MultiAluBlock™, 11 pos. Ø 12 x h 14 mm | ● | ● | | |
| **A00000340**<br>MonoAluBlock, 17 pos. Ø 28 x h 43 mm | ● | ● | | |
| **A00000339**<br>MonoAluBlock, 17 pos. Ø 28 x h 30 mm | ● | ● | | |
| **A00000338**<br>MonoAluBlock, 17 pos. Ø 28 x h 24 mm | ● | ● | | |
| **A00000341**<br>MonoAluBlock, 40 pos. Ø 12 x h 14 mm | ● | ● | | |
| **A00000342**<br>PTFE Safety cover for bowl 50 ml | ● | ● | | |
| **A00000343**<br>PTFE Safety cover for bowl 100 ml | ● | ● | | |
| **A00000344**<br>PTFE Safety cover for bowl 250 ml | ● | ● | | |
| **A00000345**<br>PTFE Safety cover for bowl 500 ml | ● | ● | | |
| **A00000346**<br>PTFE Safety cover for bowl 1000 ml | ● | ● | | |
| **A00001069**<br>Support rod | ● | ● | ● | ● |
| **A00000382**<br>Extension for support rod | | ● | ● | ● |
| **A00000351**<br>Handle for AluBlock removal | ● | ● | | |

DOMINIQUE DUTSCHER SAS

# Overhead Stirrers

## OHS 200 Advance

Powerful Wi-Fi Enabled Laboratory overhead stirrer with a TFT 3.5" Display that shows all setting information at a glance. Wi-Fi Connection to Velp Ermes Platform allows remote monitoring and control of operations in real-time. USB interface for use with optional PC software to data log, monitor, turn off/on. Pt100 probe included allowing real-time temperature monitoring.

**Constant Torque at any Speed**
The powerful brushless motor and electronic control guarantee 200 Ncm torque (speed gear 1) at any speed. Double speed gear for an excellent performance for high volumes and high viscosities.

**Easy to Use**
Smartchuck™ system simplifies the shaft accommodation without tools and with one hand only.

**Safe and Resistant**
The resistant sealed housing guarantees durability in the most aggressive environments. IP 54 certified.

- Volume ($H_2O$) 100 L
- Viscosity Up to 100.000 mPa*s
- Torque Gear 1: 200 Ncm
- Stirring speed: Gear 1: 6-400 rpm / Gear 2: 30-2000 rpm
- Timer and programmable methods
- Safety Lock
- External connection Pt100 probe




c N us 3 YEARS WARRANTY ERMES ENABLED

| | | |
|---|---|---|
| OHS 200 Advance | 230 V / 50-60 Hz | **F20100480** |
| OHS 200 Advance | 115 V / 60 Hz | **F20110480** |

## OHS 100 Advance

Powerful Wi-Fi Enabled Laboratory overhead stirrer with a TFT 3.5" Display that shows all setting information at a glance. Wi-Fi Connection to Velp Ermes Platform allows remote monitoring and control of operations in real-time. USB interface for use with optional PC software to data log, monitor, turn off/on. Pt100 probe included allowing real-time temperature monitoring.

**Constant Torque at any Speed**
The powerful brushless motor and electronic control guarantee 100 Ncm torque at any speed.

**Easy to Use**
Smartchuck™ system simplifies the shaft accommodation without tools and with one hand only.

**Safe and Resistant**
The resistant sealed housing guarantees durability in the most aggressive environments.
IP 54 certified.

- Volume ($H_2O$) 100 L
- Viscosity Up to 70.000 mPa*s
- Torque Gear 1: 100 Ncm
- Stirring speed from 30 to 1300 rpm
- Timer and programmable methods
- Safety Lock
- External connection Pt100 probe




c N us 3 YEARS WARRANTY ERMES ENABLED

| | | |
|---|---|---|
| OHS 100 Advance | 230 V / 50-60 Hz | **F20100481** |
| OHS 100 Advance | 115 V / 60 Hz | **F20110481** |

DOMINIQUE DUTSCHER SAS

# OHS 60 Advance

Powerful Wi-Fi Enabled Laboratory overhead stirrer with a TFT 3.5" Display that shows all setting information at a glance. Wi-Fi Connection to Velp Ermes Platform allows remote monitoring and control of operations in real-time. USB interface for use with optional PC software to data log, monitor, turn off/on. Pt100 probe included allowing real-time temperature monitoring.

**Constant Torque at any Speed**
The powerful brushless motor and electronic control guarantee 60 Ncm torque at any speed.

**Easy to Use**
Smartchuck™ system simplifies the shaft accommodation without tools and with one hand only.

**Safe and Resistant**
The resistant sealed housing guarantees durability in the most aggressive environments.
IP 54 certified.

- Volume ($H_2O$) 40 L
- Viscosity Up to 50.000 mPa*s
- Torque 60 Ncm
- Stirring speed from 30 to 2000 rpm
- Timer and programmable methods
- Safety Lock
- External connection Pt100 probe




3 YEARS WARRANTY

ERMES ENABLED

| | | |
|---|---|---|
| OHS 60 Advance | 230 V / 50-60 Hz | F20100482 |
| OHS 60 Advance | 115 V / 60 Hz | F20110482 |

# OHS 200 Digital

Powerful overhead stirrer with digital display to precisely set stirring speed and timer. Dedicated 4 segment LED display showing the torque trend. Intuitive knob to navigate the menu and start stop operations.

**Constant Torque at any Speed**
The powerful brushless motor and electronic control guarantee 200 Ncm torque (speed gear 1) at any speed. Double speed gear for an excellent performance for high volumes and high viscosities.

**Easy to Use**
Smartchuck™ system simplifies the shaft accommodation without tools and with one hand only.

**Safe and Resistant**
The resistant sealed housing guarantees durability in the most aggressive environments.
IP 54 certified.

- Volume ($H_2O$) 100 L
- Viscosity Up to 100.000 mPa*s
- Torque Gear 1: 200 Ncm
- Stirring speed Gear 1: 6-400 rpm Gear 2: 30-2000 rpm
- Timer
- Safety Lock




3 YEARS WARRANTY

| | | |
|---|---|---|
| OHS 200 Digital | 230 V / 50-60 Hz | F20100490 |
| OHS 200 Digital | 115 V / 60 Hz | F20110490 |

DOMINIQUE DUTSCHER SAS

# OHS 100 Digital

Powerful overhead stirrer with digital display to precisely set stirring speed and timer. Dedicated 4 segment LED display showing the torque trend. Intuitive knob to navigate the menu and start stop operations.

**Constant Torque at any Speed**
The powerful brushless motor and electronic control guarantee 100 Ncm torque at any speed.

**Easy to use**
Smartchuck™ system simplifies the shaft accommodation without tools and with one hand only.

**Safe and Resistant**
The resistant sealed housing guarantees durability in the most aggressive environments.
IP 54 certified.

- Volume ($H_2O$) 100 L
- Viscosity Up to 70.000 mPa*s
- Torque Gear 1: 100 Ncm
- Stirring speed from 30 to 1300 rpm
- Timer
- Safety Lock




3 YEARS WARRANTY

| | | |
|---|---|---|
| OHS 100 Digital | 230 V / 50-60 Hz | **F20100491** |
| OHS 100 Digital | 115 V / 60 Hz | **F20110491** |

# OHS 60 Digital

Powerful overhead stirrer with digital display to precisely set stirring speed and timer. Dedicated 4 segment LED display showing the torque trend. Intuitive knob to navigate the menu and start stop operations.

**Constant Torque at any Speed**
The powerful brushless motor and electronic control guarantee 60 Ncm torque at any speed.

**Easy to Use**
Smartchuck™ system simplifies the shaft accommodation without tools and with one hand only.

**Safe and Resistant**
The resistant sealed housing guarantees durability in the most aggressive environments.
IP 54 certified.

- Volume ($H_2O$) 40 L
- Viscosity Up to 50.000 mPa*s
- Torque Gear 1: 60 Ncm
- Stirring speed from 30 to 2000 rpm
- Timer
- Safety Lock




3 YEARS WARRANTY

| | | |
|---|---|---|
| OHS 60 Digital | 230 V / 50-60 Hz | **F20100492** |
| OHS 60 Digital | 115 V / 60 Hz | **F20110492** |

DOMINIQUE DUTSCHER SAS

# OHS 40 Digital

Powerful overhead stirrer with digital display to precisely set stirring speed and timer. Dedicated 4 segment LED display showing the torque trend. Intuitive knob to navigate the menu and start stop operations.

**Constant Torque at any Speed**
The powerful brushless motor and electronic control guarantee 40 Ncm torque at any speed.

**Easy to Use**
Smartchuck™ system simplifies the shaft accommodation without tools and with one hand only.

**Safe and Resistant**
The resistant sealed housing guarantees durability in the most aggressive environments.
IP 54 certified.

- Volume ($H_2O$) 25 L
- Viscosity Up to 25.000 mPa*s
- Torque Gear 1: 40 Ncm
- Stirring speed from 30 to 2000 rpm
- Timer
- Safety Lock




3 YEARS WARRANTY

| | | |
|---|---|---|
| OHS 40 Digital | 230 V / 50-60 Hz | **F20100493** |
| OHS 40 Digital | 115 V / 60 Hz | **F20110493** |

# OHS 20 Digital

Powerful overhead stirrer with digital display to precisely set stirring speed and timer. Dedicated 4 segment LED display showing the torque trend. Intuitive knob to navigate the menu and start stop operations.

**Constant Torque at any Speed**
The powerful brushless motor and electronic control guarantee 20 Ncm torque at any speed.

**Easy to Use**
Smartchuck™ system simplifies the shaft accommodation without tools and with one hand only.

**Safe and Resistant**
The resistant sealed housing guarantees durability in the most aggressive environments.
IP 54 certified.

- Volume ($H_2O$) 25 L
- Viscosity Up to 10.000 mPa*s
- Torque Gear 1: 20 Ncm
- Stirring speed from 30 to 2000 rpm
- Timer
- Safety Lock




3 YEARS WARRANTY

| | | |
|---|---|---|
| OHS 20 Digital | 230 V / 50-60 Hz | **F20100494** |
| OHS 20 Digital | 115 V / 60 Hz | **F20110494** |

DOMINIQUE DUTSCHER SAS

# DLH

Digital overhead stirrer suitable for all medium to high-viscosity mixing tasks. The bright display provides easy-to-read details of four important parameters: set speed, actual speed, torque and time.

**Safety and Easy to Use**
The DLH is an intuitive overhead stirrer ensuring safety with overload, over-current and overheating protection.

**Compact and Lightweight**
The special technopolymer structure and the IP 40 Protection Rating guarantee chemical
resistance and easy handling, being among the lightest overhead stirrer on the market.

- Volume ($H_2O$) 40 L
- Viscosity Up to 50.000 mPa*s
- Torque 80 Ncm
- Stirring speed from 50 to 2000 rpm
- Timer




3 YEARS WARRANTY

| | | |
|---|---|---|
| DLH | 110-230 V / 50-60 Hz | **F201A0157** |

# DLS

Digital overhead stirrer suitable for all medium viscosity mixing tasks. The bright display provides easy-to-read details of four important parameters: set speed, actual speed, torque and time.

**Safety and Easy to Use**
The DLS is an intuitive overhead stirrer ensuring safety with overload, over-current and overheating protection.

**Compact and Lightweight**
The DLS is an intuitive overhead stirrer ensuring safety with overload, over-current and overheating protection.

- Volume ($H_2O$) 25 L
- Viscosity Up to 25.000 mPa*s
- Torque 40 Ncm
- Stirring speed from 50 to 2000 rpm
- Timer




3 YEARS WARRANTY

| | | |
|---|---|---|
| DLS | 110-230 V / 50-60 Hz | **F201A0155** |
| DLS - System | 110-230 V / 50-60 Hz | **SA201A0155*** |

* Universal H-Stand, Double Clamp, Stirring Shaft with Propeller included.

DOMINIQUE DUTSCHER SAS

# PW

Laboratory overhead stirrer with analog control suitable for high viscosity mixing applications. Easy to install and to operate thanks to the hand-tightened chuck requiring no tools.

**Safety and Easy to Use**
The PW ensures safety with overload, over-current and overheating protection.

**Compact and Lightweight**
The special technopolymer structure and the IP 40 Protection Rating guarantee chemical resistance and easy handling, being among the lightest overhead stirrer on the market.

- Volume ($H_2O$) 70 L
- Viscosity Up to 100.000 mPa*s
- Torque 120 Ncm
- Stirring speed from 20 to 1200 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| PW | 110-230 V / 50-60 Hz | **F201A0150** |

# LH

Laboratory overhead stirrer with analog control suitable for high viscosity mixing applications. Easy to install and to operate thanks to the hand-tightened chuck requiring no tools.

**Safety and Easy to Use**
The LH ensures safety with overload, over-current and overheating protection.

**Compact and Lightweight**
The special technopolymer structure and the IP 40 Protection Rating guarantee chemical resistance and easy handling, being among the lightest overhead stirrer on the market.

- Volume ($H_2O$) 40 L
- Viscosity Up to 50.000 mPa*s
- Torque 80 Ncm
- Stirring speed from 50 to 2000 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| LH | 110-230 V / 50-60 Hz | **F201A0156** |

DOMINIQUE DUTSCHER SAS

# LS

Laboratory overhead stirrer with analog control suitable for medium viscosity mixing applications. Easy to install and to operate thanks to the hand-tightened chuck requiring no tools.

**Safety and Easy to Use**
The LS ensures safety with overload, over-current and overheating protection.

**Compact and Lightweight**
The special technopolymer structure and the IP 40 Protection Rating guarantee chemical resistance and easy handling, being among the lightest overhead stirrer on the market.

- Volume ($H_2O$) 25 L
- Viscosity Up to 25.000 mPa*s
- Torque 40 Ncm
- Stirring speed from 50 to 2000 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| LS | 110-230 V / 50-60 Hz | **F201A0151** |
| LS - System | 110-230 V / 50-60 Hz | **SA201A0151*** |

* Universal H-Stand, Double Clamp, Stirring Shaft with Fixed Blade included.

# ES

Laboratory overhead stirrer with analog control suitable for low viscosity mixing applications. Easy to install and to operate thanks to the hand-tightened chuck requiring no tools.

**Safety and Easy to Use**
The ES ensures safety with overload, over-current and overheating protection.

**Compact and Lightweight**
The special technopolymer structure and the IP 40 Protection Rating guarantee chemical resistance and easy handling, being among the lightest overhead stirrer on the market.

- Volume ($H_2O$) 15 L
- Viscosity Up to 1.000 mPa*s
- Torque 15 Ncm
- Stirring speed from 50 to 1300 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| ES | 110-230 V / 50-60 Hz | **F201A0152** |

DOMINIQUE DUTSCHER SAS

# Accessories - Overhead Stirrers

| | OHS Advance | OHS Digital | DLH | DLS | PW | LH | LS | ES |
|---|---|---|---|---|---|---|---|---|
| **A00001301** Double clamp | ● | ● | ● | ● | ● | ● | ● | ● |
| **A00001302** Ribbon clamp | ● | ● | ● | ● | ● | ● | ● | ● |
| **A00001312** Chuck guard OHS | ● | ● | | | | | | |
| **A00000372** Support rod for probe | ● | | | | | | | |
| **A00000002** Probe extension cable, length 1 m | ● | | | | | | | |
| **A00000003** Glass probe for VTF | ● | | | | | | | |
| **TA00000394** Kit Pt100 probe XL for OHS | ● | | | | | | | |
| **A00000381** IQ/OQ Manual OHS Digital | | ● | | | | | | |
| **A00000380** IQ/OQ Manual OHS Digital | ● | | | | | | | |
| **A00000391** OHS/ControllerSoft | ● | | | | | | | |
| **E00010012** Velp Ermes 1 Year Connection | ● | | | | | | | |
| **E00010036** Velp Ermes 3 Years Connection | ● | | | | | | | |

DOMINIQUE DUTSCHER SAS

# H-STAND - Accessories

Velp H-Stands are the ideal solution when the overhead stirrer is working on laboratory benches.

We have designed our H-Stand to guarantee the maximum stability thanks to the H-shape of the base and the maximum resistance choosing premium materials such as aluminum and stainless steel, properly treated in order to resist to chemicals and corrosion.

The Telescopic H-Stand facilitates the daily operations being easy-to-use when raising and lowering the overhead stirrer from your sample.



**Universal H-Stand**



**Telescopic H-Stand**

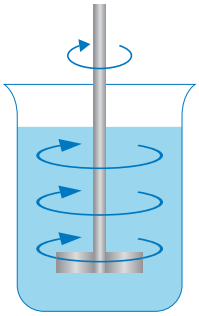
# Stirring Shafts - Accessories

Overhead stirrers require stirring shaft for precise working. Choosing the correct stirring shaft is an important step to obtain the best stirring performance.

It is important to evaluate the characteristics and the effects on the fluid of the stirring shaft, together with the volume and viscosity:

- Desired type of flow: Axial, Tangential, Radial;
- Speed range of your application.

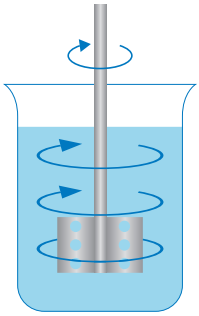
Stirring Shaft with Floating Blades
(VL - L)





Code **A00001304**

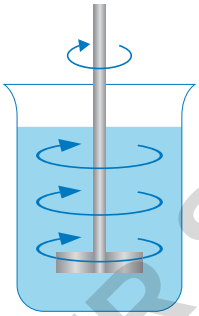
Stirring Shaft with 6-Hole Paddle
(L - M)





Code **A00001308**

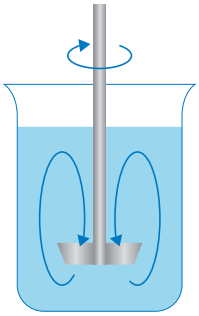
Stirring Shaft with Fixed Blade
(VL - L - M)





Code **A00001306**

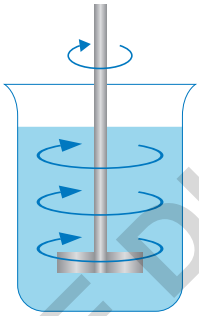
Stirring Shaft with Turbo Propeller
(M - H)





Code **A00001310**

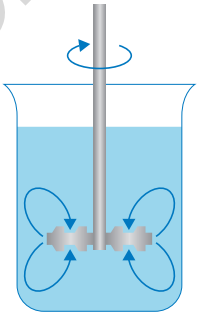
Stirring Shaft with Folding Blade
(VL - L)





Code **A00001305**

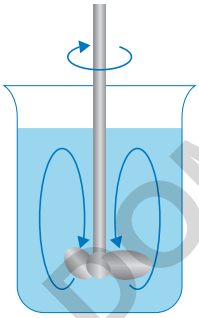
Stirring Shaft with Turbine
(M - H)





Code **A00001309**

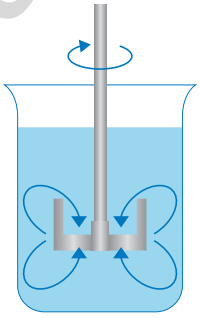
Stirring Shaft with Propeller
(VL - L - M)





Code **A00001307**

Stirring Shaft with Anchor
(M - H)





Code **A00001311**

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## Viscosity Range

| Range | mPa*s |
|---|---|
| Very low (VL) | 0 - 100 |
| Low (L) | 100 - 1,000 |
| Medium (M) | 1,000 - 10,000 |
| High (H) | 10,000 - 100,000 |

## Sample Viscosity

| Sample | mPa*s | | | | |
|---|---|---|---|---|---|
| Water | 1 | Shampoo | 3,000 | Chocolate Syrup | 25,000 |
| Kerosene | 10 | Refined Honey | 7,000 | Ketchup | 50,000 |
| Lubricating Oil | 100 | Body Cream | 8,000 | Toothpaste | 70,000 |
| Castrol Oil Glycerin | 1,000 | Honey | 10,000 | Molasess, Asphalt | 100,000 |

# CONTROLLER Advance

Powerful and innovative solution designed to control brushless motors of Reaction Systems of up to 100 L volume. The Controller Advance features a TFT 3.5” Display that shows all setting information at a glance. Wi-Fi Connection to Velp Ermes Platform to monitor status and data logging on the cloud. USB interface for use with optional PC software to data log, monitor, turn off/on. USB also allow Software Updates.

- Timer for unattended operations
- Real time torque, speed and temperature graph monitoring
- Intuitive knob to navigate the menu and start stop operations
- Programmable methods to setup to 4 Time/Speed Ramps.
- Timer
- Safety Lock
- CW/CCW Direction Changes




(not available in USA, Mexico and Canada)

ERMES ENABLED

### Accessories - CONTROLLER Advance

| | |
|---|---|
| **A00000391**<br>OHS/ControllerSoft | **A00000416**<br>Motor 28 lb*in, 500 rpm , 1/11 HP - 24V |
| **A00000394**<br>Pt100 Probe XL Ø6 500mm | **A00000417**<br>Motor 55 lb*in, 250 rpm , 1/11 HP - 24V |
| **A00000415**<br>Motor 10 lb*in, 471 rpm , 1/11 HP - 24V | **E00010012**<br>Velp Ermes 1 year Connection |
| **E00010036**<br>Velp Ermes 3 years Connection | |

3 YEARS WARRANTY

| | | |
|---|---|---|
| Controller Advance | 115-230 V / 50-60 Hz | **F201A0500** |

# CONTROLLER Digital

Powerful and innovative solution designed to control brushless motors of Reaction Systems of up to 100 L volume. The Controller Digital features a digital display to set the speed and a 4 segment LED display to monitor torque.

- Timer for unattended operations
- Intuitive knob to navigate the menu and start stop operations
- Clockwise and counterclockwise direction changes.
- Timer
- Safety Lock
- CW/CCW Direction Changes




(not available in USA, Mexico and Canada)

### Accessories - CONTROLLER Digital

| | |
|---|---|
| **A00000415**<br>Motor 10 lb*in, 471 rpm , 1/11 HP - 24V | **A00000416**<br>Motor 28 lb*in, 500 rpm , 1/11 HP - 24V |
| **A00000417**<br>Motor 55 lb*in, 250 rpm , 1/11 HP - 24V | |

3 YEARS WARRANTY

| | | |
|---|---|---|
| Controller Digital | 115-230 V / 50-60 Hz | **F201A0505** |

DOMINIQUE DUTSCHER SAS

# Vortex Mixers

## Wizard IR

Vortex mixer featuring the highly innovative and patented IR technology to reduce repetitive strains. IR sensor and Continuous mode available. Large choice of complementary accessories to accommodate tubes, plates and flasks.

**Exclusive Ergonomics**
The Velp IR sensor uses an infrared system (IR) to detect the presence of the tube and automatically starts vibrating. No pressure is required to maintain vibration, drastically reducing arm stress.

**Stable and Robust**
Robust low profile design provides exceptional stability. The technopolymer housing and zinc base ensure optimum chemical resistance and excellent stability on the bench.

- Stirring speed up to 3000 rpm
- Patented IR Sensor



3 YEARS WARRANTY

| | | |
|---|---|---|
| Wizard | 100÷240 V / 50-60 Hz | **F202A0175** |

## Classic

Compact vortex mixer suitable for different mixing requirements, with touch or continuous mode. It is highly resistant to chemicals and has 3 anti-slip rubber feet for stability.

**Robust and Convenient**
The IP 42 Protection Rating and the technopolymer casing guarantee good chemical resistance against particles and liquids. It uses universal voltage/frequency.

**Versatile**
Large choice of accessories to suit tubes, plates and flasks. Accessories fit by simple pressure.

- Stirring speed up to 3000 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| Classic | 100÷240 V / 50-60 Hz | **F202A0173** |

DOMINIQUE DUTSCHER SAS

# TX4

Exclusive digital vortex mixer featuring the highly innovative and patented IR technology to reduce repetitive strains. The bright digital display ensures precision and reproducibility. The integrated timer allows programming the vortex for unattended operations. Large choice of complementary accessories to accommodate tubes, plates and flasks.

**Exclusive Ergonomics**
The Velp IR sensor uses an infrared system (IR) to detect the presence of the tube and automatically starts vibrating. No pressure is required to maintain vibration, drastically reducing arm stress.

**Stable and Robust**
The technopolymer housing and zinc base ensure optimum chemical resistance and excellent stability on the bench.

- Stirring speed up to 3000 rpm
- Patented IR Sensor
- Timer




3 YEARS WARRANTY

| | | |
|---|---|---|
| TX4 | 100÷240 V / 50-60 Hz | **F202A0270** |

# ZX4

ZX4 Vortex mixer is highly innovative and patented IR technology reduces repetitive strains. IR sensor and continuous mode available. Large choice of complementary accessories to accommodate tubes, plates and flasks.

**Exclusive Ergonomics**
The Velp IR sensor uses an infrared system (IR) to detect the presence of the tube and automatically starts vibrating. No pressure is required to maintain vibration, drastically reducing arm stress.

**Stable and Robust**
The technopolymer housing and zinc base ensure optimum chemical resistance and excellent stability on the bench.

- Stirring speed up to 3000 rpm
- Patented IR Sensor




3 YEARS WARRANTY

| | | |
|---|---|---|
| ZX4 | 100÷240 V / 50-60 Hz | **F202A0280** |
| ZX4 and Foam Stands | 80÷260 V / 50-60 Hz | **SA202A0280*** |

* Stand for 19 microvials Eppendorf 1,5 ml, Customizable soft foam top and Small rubber supporting plate Ø 50mm included

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# ZX3

Reliable vortex mixer has adjustable stirring speed and touch or continuous mode. ZX3 features large, anti-slip rubber feet to ensure maximum stability. It is also highly resistant to chemicals.

**Robust and Convenient**
The IP 42 Protection Rating and the technopolymer casing guarantee good chemical resistance against particles and liquids. It uses universal voltage/frequency.

**Versatile**
Large choice of accessories to suit tubes, plates and flasks. Accessories fit by simple pressure.

- Stirring speed up to 3000 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| ZX3 | 100÷240 V / 50-60 Hz | **F202A0176** |
| ZX3 and Foam Stands | 100÷240 V / 50-60 Hz | **SA202A0176*** |

* Stand for 19 microvials Eppendorf 1,5 ml, Customizable soft foam top and Small rubber supporting plate Ø 50mm included

# RX3

Basic vortex mixer with fixed stirring speed and touch mode. RX3 features large, anti-slip rubber feet to ensure maximum stability. It is also highly resistant to chemicals.

**Robust and Convenient**
The IP 42 Protection Rating and the technopolymer casing guarantee high-grade chemical resistance.

- Stirring speed up to 3000 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| RX3 | 100÷240 V / 50-60 Hz | **F202A0171** |

DOMINIQUE DUTSCHER SAS

# ROTAX 6.8 Overhead Mixer

Overhead mixer with LCD speed display, that offers excellent performance for all the applications where rotating, shaking and mixing are required. Rotax 6.8 is resistant to chemical and mechanical corrosion.

**Precise and Safe**
Rotax 6.8 is designed to automatically stop if blocked. Moreover it is compliant with UNI 10802 and DIN 38414 standards.

- Stirring speed up to 30 rpm



3 YEARS WARRANTY

| | | |
|---|---|---|
| ROTAX 6.8 | 230 V / 50–60 Hz | **F10600118** |
| ROTAX 6.8 | 115 V / 50–60 Hz | **F10610118** |

# Accessories - Vortex Mixers

| | Wizard | Classic | TX4 | ZX4 | ZX3 | RX3 | ROTAX |
|---|---|---|---|---|---|---|---|
| Foam stand for 19 microvials Eppendorf, 1.5 ml A00000012 | ● | ● | ● | ● | ● | | |
| Customizable soft foam top A00000013 | ● | ● | ● | ● | ● | | |
| Foam stand for 5 test tubes Ø 16 mm A00000014 | ● | ● | ● | ● | ● | | |
| Foam stand for microtiter A00000015 | ● | ● | ● | ● | ● | | |
| Small rubber supporting plate Ø 50 mm A00000016 | ● | ● | ● | ● | ● | ● | |
| Rubber supporting plate Ø 94 mm A00000017 | | | | | ● | | |
| Foam stand for 4 tubes Ø 29 mm A00000019 | ● | ● | ● | ● | ● | | |
| Foam stand for 5 test-tubes Ø 24 mm A00000389 | ● | ● | ● | ● | ● | | |
| Mixing cup head 10002021 | ● | ● | | | | | |
| Mixing cup head 10005195 | | | ● | ● | ● | ● | |
| Plug USA for power supply 10009118 | ● | ● | ● | ● | ● | ● | ● |
| Plug UK for power supply 10009119 | ● | ● | ● | ● | ● | ● | ● |
| Plug AU for power supply 10009120 | ● | ● | ● | ● | ● | ● | ● |
| Accessory for holding 8 bottles, 1L A00001023 | | | | | | | ● |
| Glass bottle with round glass cap, 2 liter A00001024 | | | | | | | ● |
| Polyethylene bottle, 1 liter A00001022 | | | | | | | ● |

DOMINIQUE DUTSCHER SAS

# MULTI-TX5

The MULTI-TX5 Digital is the exclusive solution for all the multi-tube mixing tasks, even the most challenging ones. The MULTI-TX5 Digital supports various foam racks for different vortexing tubes being an extremely versatile multi-tube vortex mixer to emulsify, disintegrate, mix, or homogenize samples.

**Safe and Programmabile**
Lock feature to prevent unintentional modifications.
Unattended stirring from 1 minute to 99 h : 59 minutes.

**Easy to Use**
Easy to operate digital interface with icons. An acoustic signal/ sound informs you when the countdown is over.

**Simplified Operation**
With the MULTI-TX5 Digital you can perform any mixing tasks and then change the foam rack for your next application in just a few simple steps.

- Stirring speed from 100 to 2500 rpm
- Timer & Auto-reverse
- Safety Lock



3 YEARS WARRANTY

| | | |
|---|---|---|
| MULTI-TX5 Digital Vortex | 100÷240 V / 50-60 Hz | **F202A0460** |

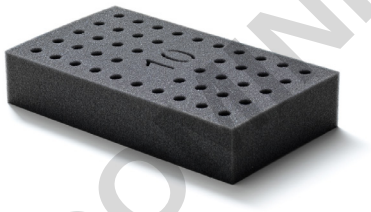
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## Accessories - Sample Rack

Various foam racks for vortexing tubes with different dimensions ensure premium versatility in the lab and make the MULTI-TX5 Digital ideal for a wide variety of mixing applications.

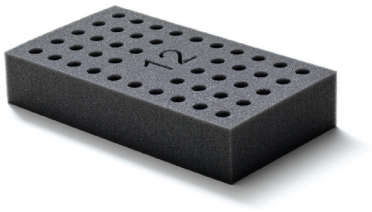
Sample Rack for Test Tube Ø 10 mm
44 Positions

Code **A00000449**



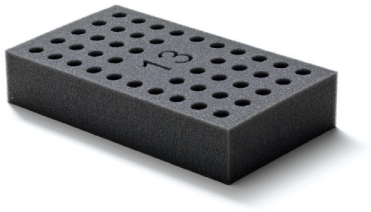

Sample Rack for Test Tube Ø 12 mm
44 Positions

Code **A00000450**



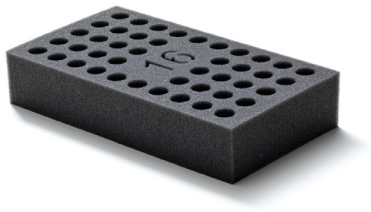

Sample Rack for Test Tube Ø 13 mm
44 Positions

Code **A00000451**



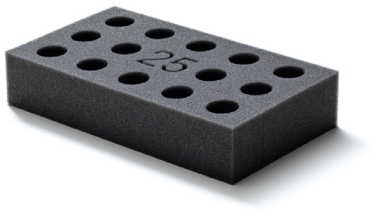

Sample Rack for Test Tube Ø 16 mm
44 Positions

Code **A00000452**




Sample Rack for Test Tube Ø 25 mm
14 Positions

Code **A00000453**




Sample Rack for Test Tube Ø 29 mm
14 Positions

Code **A00000454**



# Disperser

## OV 725 Digital

Premium digital disperser featuring a powerful brushless motor, electronic speed control, integral cyclic timer and advanced safety features. Ideal for homogenization, emulsification, suspensions, and high-speed mixing tasks.



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**Efficent and Durable**
With a versatile range of dispersing tools accommodating volumes from 0.2ml to 2.5L, it ensures optimal performance even with viscous samples up to 5,000 mPas. Its robust construction and powerful brushless motor guarantee durability, minimal maintenance, and efficient heat dissipation.

**Precise and Safe**
Intuitive LED display and user-friendly control panel for easy and precise speed adjustment. Safety features like soft start-up, temperature monitoring, and tool detection alarms ensure maximum user protection. Enhanced performance and reproducibility are achieved through compatibility with PTFE seals, while LED indicators and maintenance timers streamline timely replacements.

- Volume range ($H_2O$) from 0,2 to 2500 ml
- Speed range from 2000 to 25000 rpm
- Timer

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Configurations - OV 725 Digital



OV 725



OV 725 Digital System

c N us 3 YEARS WARRANTY

| | | |
|---|---|---|
| OV 725 Digital | 230 V / 50-60 Hz | **F20900475*** |
| OV 725 Digital | 115 V / 60 Hz | **F20910475*** |
| OV 725 Digital System | 230 V / 50-60 Hz | **SA20900475**** |
| OV 725 Digital System | 115 V / 60 Hz | **SA20910475**** |

*Includes: OV 725 Digital Disperser; Tool disassembly kit.
**Includes: OV 725 Digital Disperser; Tool disassembly kit; Double Rod Mini H-Stand; D20-S20C-P-R20S Dispersing tool.

# OV 625 Digital

Powerful digital disperser designed to guarantee precision and high shearing force. The ideal solution for consistent homogenization, emulsification, suspensions, and high-speed mixing of biological tissues, pharmaceuticals, cosmetics and food products.

**Accuracy and Ease-of-Use**
The bright digital display and the comfortable rotating knob enable precise electronic speed settings and control. The control panel has been designed to optimize the user experience and offer excellent visibility. The stainless-steel dispersing tools can be fixed quickly and easily.

**Safe and Resistant**
A resistant and robust housing protects the internal electronic parts. Various safety functions, such as a soft start, motor overload protection, and overtemperature alarms, ensure the highest safety in daily operations.

- Volume range ($H_2O$) from 0,2 to 2500 ml
- Speed range from 2000 to 25000 rpm



## Configurations - OV 625 Digital



**OV 625**



**OV 625 Digital System**

3 YEARS WARRANTY

| | | |
|---|---|---|
| OV 625 Digital | 230 V / 50-60 Hz | **F20900470*** |
| OV 625 Digital | 115 V / 60 Hz | **F20910470*** |
| OV 625 Digital System | 230 V / 50-60 Hz | **SA20900470**** |
| OV 625 Digital System | 115 V / 60 Hz | **SA20910470**** |

*Includes: OV 725 Digital Disperser; Tool disassembly kit.
**Includes: OV 725 Digital Disperser; Tool disassembly kit; Double Rod Mini H-Stand; D20-S20C-P-R20S Dispersing tool.

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# Accessories - Dispersing Tools

High-quality stainless steel dispersing tools featuring a PTFE seal. Velp D20 series tools ensure high chemical resistance and easy and quick installation procedure.

Included with the system



**D20-S20C-P-R20S**
Code **A00000478**

Dispersing tool suitable for the majority of laboratory applications.

- Volume: 50 - 2,000 ml
- Stator diameter: 20 mm
- Rotor diameter: 15 mm
- Ultimate fineness emulsion: 1 - 10 µm
- Ultimate fineness suspension: 10 - 50 µm

Industry:



**D20-S20F-P-R20C**
Code **A00000462**

Dispersing tool for solid-liquid dispersion, suitable for fibrous samples.

- Volume: 50 - 2,000 ml
- Stator diameter: 20 mm
- Rotor diameter: 15 mm
- Ultimate fineness emulsion: 1 - 7 µm
- Ultimate fineness suspension: 5 - 40 µm

Industry:



**D20-S20F-P-R20E**
Code **A00000463**

Emulsifying tool for liquid-liquid dispersions requiring a high final fineness.

- Volume: 50 - 2,000 ml
- Stator diameter: 20 mm
- Rotor diameter: 15 mm
- Ultimate fineness emulsion: 1 - 7 µm
- Ultimate fineness suspension: 5 - 40 µm

Industry:



**D20-S20F-P-R20M**
Code **A00000464**

Dispersing tool, suitable for emulsions (liquid-liquid) and suspensions (solid-liquid), requiring high final fineness.

- Volume: 50 - 2,000 ml
- Stator diameter: 20 mm
- Rotor diameter: 15 mm
- Ultimate fineness emulsion: 1 - 7 µm
- Ultimate fineness suspension: 5 - 40 µm

Industry:



**D20-S25C-P-R25C**
Code **A00000479**

Universal dispersing tool for high volumes, particularly suitable for dispersing solid phases.

- Volume: 100 - 2,500 ml
- Stator diameter: 25 mm
- Rotor diameter: 18 mm
- Ultimate fineness emulsion: 1 - 10 µm
- Ultimate fineness suspension: 15 - 50 µm

Industry:



**D20-S20F-P-R25E**
Code **A00000480**

High peripheral speed emulsifying tool suitable for particularly fine liquid-liquid dispersions.

- Volume: 100 - 2,500 ml
- Stator diameter: 25 mm
- Rotor diameter: 18 mm
- Ultimate fineness emulsion: 1 - 5 µm
- Ultimate fineness suspension: 5 - 25 µm

Industry:



**D20-S25F-P-R25M**
Code **A00000469**

Dispersing tool for particularly fine emulsions (liquid-liquid) and suspensions (solid-liquid).

- Volume: 100 - 2,500 ml
- Stator diameter: 25 mm
- Rotor diameter: 18 mm
- Ultimate fineness emulsion: 1 - 5 µm
- Ultimate fineness suspension: 5 - 25 µm

Industry:



**D20-S40C-P-R25C**
Code **A00000472**

Dispersing tool for high-speed stirring and crushing of solid samples.

- Volume: 1,000 - 4,000 ml
- Stator diameter: 40 mm
- Rotor diameter: 18 mm

Industry:



**D20-S5S-P-R5S**
Code **A00000473**

Dispersing tool for solid-liquid and liquid-liquid dispersions, suitable for processing particularly small volumes.

- Volume: 0.2 - 50 ml
- Stator diameter: 5 mm
- Rotor diameter: 3.2 mm
- Ultimate fineness emulsion: 1 - 10 µm
- Ultimate fineness suspension: 10 - 50 µm

Industry:

## Industry - Legend

Food, Feed & Beverage
Pharmaceutical & Life Science
Cosmetics and Personal care
Chemical and Petrochemical

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# Dry Block Heater & COD

## ECODryBlock

ECODryBlock is a modular, digital, and high-precision dry block heater designed to deliver uniform, stable, and controlled temperature conditions across multiple samples. It ensures precise and reproducible heating, making it ideal for sample preparation, incubation, DNA denaturation, enzymatic reactions, culture media tests. In addition, thanks to its extended temperature range up to 165 °C, it can also perform COD analysis.




**Flexible and Modular**
One ControlPad can manage up to two independent heating Modules, each accommodating two aluminum blocks (95x76x51 mm).
A wide range of interchangeable blocks adapts to any application and vessel, ensuring maximum flexibility for Life Science and Environmental laboratories.

**Intuitive and Easy-to-Use**
The smart touchscreen interface allows effortless temperature and timer settings, providing complete control over heating conditions and ensuring safe, efficient operation.

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Configurations - ECODryBlock



**ECODryBlock System**



**ECODryBlock System COD 24**



**ECODryBlock System COD 4**



**ECODryBlock No ControlPad**

3 YEARS WARRANTY

| | | |
|---|---|---|
| ECODryBlock System | 115 V - 230 V | **SA101A0700** |
| ECODryBlock System COD 24 | 115 V - 230 V | **SB101A0700** |
| ECODryBlock System COD 4 | 115 V - 230 V | **SC101A0700** |
| ECODryBlock no ControlPad* | 115 V - 230 V | **F101A0700** |

*addition to the system

# Accessories - Blocks

ECODryBlock offers maximum versatility with a wide range of interchangeable and easy-to-clean aluminum blocks, designed to accommodate vials, microcentrifuge tubes, PCR tubes, PCR strips, Greiner tubes, microplates, and cuvettes.

## Blocks for Standard test tubes

| Velp code | Description | Suitable for | Well Size (mm) | No. of Wells | Well Depth (mm) |
|---|---|---|---|---|---|
| A00000495 | STT-W30-D060-A Block | Round bottom tubes (6mm) | Ø 8.3 | 30 | 48.4 |
| A00000496 | STT-W24-D100-A Block | Round bottom tubes (10mm) | Ø 10.7 | 24 | 48.4 |
| A00000497 | STT-W16-D130-A Block | Round bottom tubes (12/13 mm) | Ø 13.9 | 16 | 48.4 |
| A00000498 | STT-W20-D130-A Block | Round bottom tubes (12/13 mm) | Ø 13.9 | 20 | 48.4 |
| A00000499 | STT-W12-D160-A Block | Round bottom tubes (15/16 mm) | Ø 17.5 | 12 | 48.4 |
| A00000500 | STT-W12-D180-A Block | Round bottom tubes (17/18 mm) | Ø 19.1 | 12 | 48.4 |
| A00000501 | STT-W08-D200-A Block | Round bottom tubes (20 mm) | Ø 21 | 8 | 48.4 |
| A00000502 | STT-W06-D250-A Block | Round bottom tubes (25 mm) | Ø 26.2 | 6 | 48.4 |
| A00000503 | STT-W04-D350-A Block | Round bottom tubes (35 mm) | Ø 35 | 4 | 47.6 |

## Blocks for Vials

| Velp code | Description | Suitable for | Well Size (mm) | No. of Wells | Well Depth (mm) |
|---|---|---|---|---|---|
| A00000514 | VLS-W20-D120-A Block | 12 mm vials | Ø 12.7 | 20 | 30 |
| A00000515 | VLS-W20-D150-A Block | 15 mm vials | Ø 15.8 | 20 | 35 |
| A00000516 | VLS-W15-D160-A Block | 16 mm vials | Ø 16.4 | 15 | 45 |
| A00000517 | VLS-W12-D170-A Block | 17 mm vials | Ø 17.8 | 12 | 45 |
| A00000518 | VLS-W12-D190-A Block | 19 mm vials | Ø 19.7 | 12 | 45 |
| A00000519 | VLS-W09-D210-A Block | 21 mm vials | Ø 21.7 | 9 | 45 |
| A00000520 | VLS-W08-D230-A Block | 23 mm vials | Ø 23.8 | 8 | 45 |
| A00000521 | VLS-W08-D250-A Block | 25 mm vials | Ø 25.8 | 8 | 45 |
| A00000522 | VLS-W06-D280-A Block | 28 mm vials | Ø 28.8 | 6 | 45 |

## Blocks for Micro Centrifuge Tubes

| Velp code | Description | Suitable for | Well Size (mm) | No. of Wells | Well Depth (mm) |
|---|---|---|---|---|---|
| A00000504 | MCT-W30-V005-A Block | PCR tubes (0.5 ml) | Ø 7.9 | 30 | 27.6 |
| A00000505 | MCT-W20-V015-A Block | Microcentrifuge tubes (1.5 ml) (Eppendorf™) | Ø 11.5 | 20 | 36.9 |
| A00000506 | MCT-W20-V015-B Block | Microcentrifuge tubes (1.5 ml) | Ø 10.9 | 20 | 39.1 |
| A00000507 | MCT-W20-V020-A Block | Microcentrifuge tubes (2.0 ml) (Eppendorf™) | Ø 10.9 | 20 | 38.1 |
| A00000508 | MCT-W20-V020-B Block | Microcentrifuge tubes (2.0 ml) (Corning™) | Ø 10.9 | 20 | 38.1 |

## Blocks for Conical Bottom Centrifuge Tubes

| Velp code | Description | Suitable for | Well Size (mm) | No. of Wells | Well Depth (mm) |
|---|---|---|---|---|---|
| A00000509 | CCT-W12-V150-A Block | Conical centrifuges tube (15 ml) | Ø 17.1 | 12 | 44.5 |
| A00000510 | CCT-W05-V500-A Block | Conical centrifuges tube (50 ml) | Ø 29 | 5 | 47.6 |

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## Combination Blocks

| Velp code | Description | Suitable for | Well Size (mm) | No. of Wells | Well Depth (mm) |
|---|---|---|---|---|---|
| A00000511 | STT-W14-COMBO Block | Test tube combination, 6 / 12 / 13 / 25 mm | Ø 8.3<br>Ø 13.9<br>Ø 26.2 | 6<br>5<br>3 | 48.4<br>48.4<br>48.4 |
| A00000512 | CCT-W09-COMBO Block | Centrifuge tube combination, 1.5 / 15 / 50 ml | Ø 11.1<br>Ø 17.1<br>Ø 29 | 4<br>3<br>2 | 39.1<br>44.5<br>47.6 |
| A00000513 | MCT-W21-COMBO Block | Microcentrifuge tube combination, 0.5 / 1.5 / 2.0 ml | Ø 7.9<br>Ø 11.1<br>Ø 11.5 | 6<br>10<br>5 | 27.6<br>39.1<br>38.1 |

## Blocks for PCR

| Velp code | Description | Suitable for | Well Size (mm) | No. of Wells | Well Depth (mm) |
|---|---|---|---|---|---|
| A00000523 | PCR-W64-V002-A Block | 64 x individual PCR tubes (0.2 ml tubes) | Ø 6.4 | 64 | 20.2 |
| A00000524 | PCR-W80-V002-A Block | 10 x 8 individual PCR tube strips (0.2 ml tubes) | Ø 6.6 | 80 | 15.5 |
| A00000525 | PCR-W96-V002-A Block | 1 x 96 – well PCR plate (0.2 ml tubes) | Ø 6.6 | 96 | 15.5 |

## Blocks for Cuvette

| Velp code | Description | Suitable for | Well Size (mm) | No. of Wells | Well Depth (mm) |
|---|---|---|---|---|---|
| A00000526 | CUV-W12-D125-A Block | 2 x 6 cuvettes (12.5 mm) | - | 2 | 25.4 |

## Blocks for COD

| Velp code | Description | Suitable for | Well Size (mm) | No. of Wells | Well Depth (mm) |
|---|---|---|---|---|---|
| A00000529 | COD-W04-D420-A Block | Round bottom COD test tube (42mm) | Ø 42 | 4 | 51 |
| A00000530 | COD-W20-COMBO Block | Round bottom COD test tube (16 / 22mm) | Ø 16<br>Ø 22 | 18<br>2 | 47<br>45.5 |
| A00000494 | COD-W24-D160-A Block | Round bottom COD test tube (16mm) | Ø 16 | 24 | 47 |

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# BOD Respirometers

## RESPIROMETRIC Sensor System 6 BOD

The RESPIROMETRIC Sensor System BOD is designed to be a versatile solution with minimum footprint for aerobic degradation tests for industrial and domestic water quality testing.

- Ideal for: BOD5, BOD7, BOD Ultimate, assessment of disinfection on BOD.
- Biodegradation of monomers application to study the microbial activities involved in the production of plastics.
- Results reading in pressure (millibar) and BOD (mg/l).
- Easy-to-use and powerful sensor with 4 digit LED Display.
- Unique wireless control from your PC and Velp Ermes cloud platform.



3 YEARS WARRANTY

ERMES ENABLED

| | | |
|---|---|---|
| RESPIROMETRIC Sensor System 6<br>RESPIROMETRIC Sensor System 6 | 230 V / 50-60 Hz<br>115 V / 60 Hz | **SA10200146**<br>**SA10210146** |
| RESPIROMETRIC Sensor System 6 no Databox™<br>RESPIROMETRIC Sensor System 6 no Databox™ | 230 V / 50-60 Hz<br>115 V / 60 Hz | **SB10200146**<br>**SB10210146** |

Included in the system: Stirring station, 500 ml amber bottles, KOH containers, stirring bars, DataBox™ and RESPIROSoft™ software.

## RESPIROMETRIC Sensor System 6 Maxi BMP

The RESPIROMETRIC Sensor System Maxi BMP is designed to support anaerobic respiration studies to determine the Biochemical Methane Potential (BMP) of biomass. The BMP analysis studies the production of biogas from organic wastes mainly for Waste and Wastewater treatment and for Renewable Energy Production.

- Results reading in pressure (millibar) and automatic conversion in BMP value ($NmLCH_4/gSV$)
- The system is suitable also for other anaerobic studies such a Denitrification Tests (Requires 6 Denitrification glass bottles (A00000410).
- Easy-to-use and powerful sensor with 4 digit LED Display.
- Unique wireless control from your PC and Velp Ermes cloud platform.
- Wireless DataBox™ e RESPIROSoft™



3 YEARS WARRANTY

ERMES ENABLED

| | | |
|---|---|---|
| RESPIROMETRIC Sensor System 6 Maxi<br>RESPIROMETRIC Sensor System 6 Maxi | 230 V / 50-60 Hz<br>115 V / 60 Hz | **SA10200156**<br>**SA10210156** |
| RESPIROMETRIC Sensor System 6 Maxi no Databox™<br>RESPIROMETRIC Sensor System 6 Maxi no Databox™ | 230 V / 50-60 Hz<br>115 V / 60 Hz | **SB10200156**<br>**SB10210156** |

Included in the system: Maxi stirring station, 1000 ml bottles, KOH containers, stirring bars, DataBox™ and RESPIROSoft™ software.

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# RESPIROMETRIC Sensor System 6 for Soils Analysis

The RESPIROMETRIC Sensor System for soil analysis is designed to support aerobic degradation tests on soil and compost. The analysis provides microbial soil respiration results from the mineralization of organic substances. A major application of these test is related to the detection and monitoring processes during decontaminations and clean-ups.

- The analysis is carried out directly on soil/compost in the 1000ml flask.
- Results reading in Pressure values (millibar).
- Easy-to-use and powerful sensor with 4 digit LED Display.
- Unique wireless control from your PC and Velp Ermes cloud platform.
- Wireless DataBox™e RESPIROSoft™



3 YEARS WARRANTY ERMES ENABLED

| | | |
|---|---|---|
| RESPIROMETRIC Sensor System for Soil Analysis | - | **SA102B0176** |
| RESPIROMETRIC Sensor System for Soil Analysis no Databox™ | - | **SB102B0176** |

Included in the system: 6 Kits soil analysis, DataBox™ and RESPIROSoft™ software.

# RESPIROMETRIC Sensor System 6 for Plastic

The RESPIROMETRIC Sensor System for plastic biodegradability is designed to support aerobic degradation test for the determination of the degree of aerobic biodegradability of plastic materials, including those containing formulation additives, in an aqueous medium.

- Multistirrer Digital 6-positions to precisely set stirring speed and enable the lock feature to avoid unintentional modification of the stirring speed.
- Results reading in Pressure values (millibar).
- Easy-to-use and powerful sensor with 4 digit LED Display.
- Unique wireless control from your PC and Velp Ermes cloud platform.
- Wireless DataBox™ e RESPIROSoft™




3 YEARS WARRANTY ERMES ENABLED

| | | |
|---|---|---|
| RESPIROMETRIC Sensor System for Plastic Biodegradability | 100-240 V / 50-60Hz | **SA102A0166** |
| RESPIROMETRIC Sensor System per for Plastic Biodegradability no Databox™ | 100-240 V / 50-60Hz | **SB102A0166** |

Included in the system: Multistirrer Digital 6-positions, 6 Kits plastic biodegradability analysis, stirring bars, DataBox™ and RESPIROSoft™ software.

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# BOD Sensor

Innovative, mercury-free and extremely reliable solution for BOD analysis. The BOD sensors include KOH traps.

**Precise and Easy to Use**
It can measure on scales of 90, 250, 600, 999 and 4000 ppm BOD..

**Safe**
The IP 54 Protection Rating guarantee durability even in the most aggressive environments. Class 3 IEC 1010 conformity.

**Compact Design**
BOD System 6 is designed to optimize space consumption inside cooled incubators.




3 YEARS WARRANTY

| | | |
|---|---|---|
| BOD Sensor | - | **F102B0133** |
| BOD Sensor Set | - | **F102B0134** |

# BOD Sensor System 6

Innovative, mercury-free and extremely reliable solution for BOD analysis.
The 6 position systems include the BOD sensors, stirring station, stirring bars and KOH traps.

**Precise and Easy to Use**
It can measure on scales of 90, 250, 600, 999 and 4000 ppm BOD.

**Safe**
The IP 54 Protection Rating guarantee durability even in the most aggressive environments. Class 3 IEC 1010 conformity.

**Compact Design**
BOD Sensor System 6 is designed to optimize space consumption inside cooled incubators.

- BOD Scales 90, 250, 600, 999, 4000 ppm




3 YEARS WARRANTY

| | | |
|---|---|---|
| BOD Sensor System 6 | 230 V / 50-60 Hz | **SA10200136** |
| BOD Sensor System 6 | 115 V / 60 Hz | **SA10210136** |

Included in the system: Stirring station 6 positions, BOD Sensor, 500 ml amber bottles, KOH containers, stirring bars.

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# BOD Sensor System 10

Innovative, mercury-free and extremely reliable solution for BOD analysis. The 10 position systems include the BOD sensors, stirring station, stirring bars and KOH traps.

**Precise and Convenient**
It can measure on scales of 90, 250, 600, 999 and 4000 ppm BOD.

**Compact Design**
BOD Sensor System 10 is designed to optimize space consumption inside cooled incubators.

- BOD Scales 90, 250, 600, 999, 4000 ppm



3 YEARS WARRANTY

| | | |
|---|---|---|
| BOD Sensor System 10 | 230 V / 50-60 Hz | **SA10200137** |
| BOD Sensor System 10 | 115 V / 60 Hz | **SA10210137** |

Included in the system: Stirring station 10 positions, BOD Sensor, 500 ml amber bottles, KOH containers, stirring bars.

# Accessories - BOD and Respirometers

| | RESPIROMETRIC Sensor System 6 BOD | RESPIROMETRIC Sensor System 6 Maxi BMP | RESPIROMETRIC Sensor System 6 for Soil Analysis | RESPIROMETRIC Sensor System 6 for Plastic Biodegradability | BOD Sensor System |
|---|---|---|---|---|---|
| **A00000135** Sensor Check | ● | ● | ● | ● | ● |
| **A00000136** Pastiglie per Test Controllo, 10 pcs/box | ● | ● | ● | ● | ● |
| **A00000221** Cavo alimentazione multiplo EU | ● | ● | | ● | ● |
| **A00000222** Cavo alimentazione multiplo UK | ● | ● | | ● | ● |
| **A00000223** Cavo alimentazione multiplo AU | ● | ● | | ● | ● |
| **10003083** Spina USA per alimentatore | ● | ● | | ● | ● |
| **10003084** Spina UK per alimentatore | ● | ● | | ● | ● |
| **10003085** Spina AU per alimentatore | ● | ● | | ● | ● |
| **A00000410** Bottiglia per denitrificazione | | ● | | | |
| **E00010012** Velp Ermes 1 anno connessione | ● | ● | ● | ● | |
| **E00010036** Velp Ermes 3 anni connessione | ● | ● | ● | ● | |

DOMINIQUE DUTSCHER SAS

# Cooled Incubators

## FOC 200IL Connect

FOC 200IL Connect is the cloud-enabled iluminated cooled incubator ideal for plant growth, seed germination, cultivation, breeding of plants, insects and small animals, bacteria culturing, fermentation studies.

**Convenient and Efficent**
FOC 200IL Connect is equipped with 2 lighted shelves and an internal trasnparent door.

**Efficient Thermoregolation**
FOC 200IL Connect guarantees a perfect thermoregulation and stability thanks to the Auto-Tuning system. The use of forced ventilation uniforms the internal temperature.

**Exclusive Connectivity**
Premium Wi-Fi connectivity to Velp Ermes Cloud Platform. TEMPSoft™ software with 485 cable connection to constant monitor the instrument. MODBUS communications for PLC connection.

- Total volume 169 L
- Temperature from 3 to 50 °C
- Auto-Tuning Technology ± 0.5°C
- Timer Lighting Cycles
- Internal Trasparent Door

3 YEARS WARRANTY | ILLUMINATED



(not available in USA, Mexico and Canada) ERMES ENABLED

| | | |
|---|---|---|
| FOC 200IL Connect | 230 V / 50-60 Hz | **F10400544*** |

* The cooled incubator is supplied with 2 shelves 40002722 and 1 shelf 10008039

## FOC 200I Connect

FOC 200I Connect is the cloud-enabled cooled incubator with internal transparent door ensuring excellent temperature stability and homogeneity.

**Convenient and Efficent**
FOC 200I Connect is equipped with an internal trasnparent door allowing sample monitoring with no temperature alteration.

**Efficent Thermoregulation**
FOC 200I Connect guarantees a perfect thermoregulation and stability thanks to the Auto-Tuning system. The use of forced ventilation uniforms the internal temperature.

**Exclusive Connectivity**
Premium Wi-Fi connectivity to Velp Ermes Cloud Platform. TEMPSoft™ software with 485 cable connection to constant monitor the instrument. MODBUS communications for PLC connection.

- Total volume 169 L
- Temperature from 3 to 50 °C
- Auto-Tuning Technology ± 0.5°C
- Internal Trasparent Door

3 YEARS WARRANTY



(not available in USA, Mexico and Canada) ERMES ENABLED

| | | |
|---|---|---|
| FOC 200I Connect | 230 V / 50-60 Hz | **F10400543*** |

* The cooled incubator is supplied with 3 shelves 10008039

DOMINIQUE DUTSCHER SAS

# FOC 200E Connect

FOC 200E Connect is the cloud-enabled cooled incubator ensuring excellent temperature stability and homogeneity.

**Convenient and Efficent**
FOC 200E Connect is asy to use thanks to the intuitive digital interface.

**Efficent Thermoregulation**
FOC 200E Connect guarantees a perfect thermoregulation and stability thanks to the Auto-Tuning system. The use of forced ventilation uniforms the internal temperature.

**Exclusive Connectivity**
Premium Wi-Fi connectivity to Velp Ermes Cloud Platform. TEMPSoft™ software with 485 cable connection to constant monitor the instrument. MODBUS communications for PLC connection.

- Total volume 169 L
- Temperature from 3 to 50 °C
- Auto-Tuning Technology ± 0.5°C




3 YEARS WARRANTY

(not available in USA, Mexico and Canada)

ERMES ENABLED

| | | |
|---|---|---|
| FOC 200E Connect | 230 V / 50-60 Hz | **F10300542*** |

* The cooled incubator is supplied with 3 shelves 10008039

# FOC 120I Connect

FOC 120I Connect is the cloud-enabled cooled incubator with internal transparent door ensuring excellent temperature stability and homogeneity.

**Convenient and Efficient**
FOC 120I Connect is equipped with an internal trasnparent door allowing sample monitoring with no temperature alteration.

**Efficient Thermoregulation**
FOC 120I Connect guarantees a perfect thermoregulation and stability thanks to the Auto-Tuning system. The use of forced ventilation uniforms the internal temperature.

**Exclusive Connectivity**
Premium Wi-Fi connectivity to Velp Ermes Cloud Platform. TEMPSoft™ software with 485 cable connection to constant monitor the instrument. MODBUS communications for PLC connection.

- Total volume 109 L
- Temperature from 3 to 50 °C
- Auto-Tuning Technology ± 0.5°C




3 YEARS WARRANTY

(not available in USA, Mexico and Canada)

ERMES ENABLED

| | | |
|---|---|---|
| FOC 120I Connect | 230 V / 50-60 Hz | **F10400541** |

* The cooled incubator is supplied with 3 shelves 10008039

DOMINIQUE DUTSCHER SAS

# FOC 120E Connect

FOC 120E Connect is the cloud-enabled cooled incubator ensuring excellent temperature stability and homogeneity.

**Convenient and Efficient**
FOC 120E Connect is asy to use thanks to the intuitive digital interface.

**Efficient Thermoregulation**
FOC 120E Connect guarantees a perfect thermoregulation and stability thanks to the Auto-Tuning system. The use of forced ventilation uniforms the internal temperature.

**Exclusive Connectivity**
Premium Wi-Fi connectivity to Velp Ermes Cloud Platform. TEMPSoft™ software with 485 cable connection to constant monitor the instrument. MODBUS communications for PLC connection.

- Total volume 109 L
- Temperature from 3 to 50 °C
- Auto-Tuning Technology ± 0.5°C




3 YEARS WARRANTY

(not available in USA, Mexico and Canada)

ERMES ENABLED

| | | |
|---|---|---|
| FOC 120E Connect | 230 V / 50-60 Hz | **F10300540** |

* The cooled incubator is supplied with 2 shelves

# FTC 120

Compact and efficient incubator specially designed for BOD respirometric measurement ensuring a costant 20°C temperature. FTC 120 is equipped with 2 internal sockets.

**Efficient Thermoregulation**
The use of forced ventilation uniforms the internal temperature.

- Total volume 109 L
- Constant temperature 20 °C




3 YEARS WARRANTY

(not available in USA, Mexico and Canada)

| | | |
|---|---|---|
| FTC 120 | 230 V / 50-60 Hz | **F10300305** |

* The cooled incubator is supplied with 2 shelves

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# Accessories - Cooled Incubators

| | FOC 200IL Connect | FOC 200I Connect | FOC 200E Connect | FOC 120I Connect | FOC 120E Connect | FTC 120 |
|---|---|---|---|---|---|---|
| **A00000404** TEMPSoft with RS485 cable | ● | ● | ● | ● | ● | |
| **A00000405** Interconnection cable FOC Connect | ● | ● | ● | ● | ● | |
| **A00000406** IQ/OQ FOC Connect and FTC 120 Manual | ● | ● | ● | ● | ● | ● |
| **A00000221** Multi-socket extension cable EU | ● | ● | ● | ● | ● | ● |
| **A00000222** Multi-socket extension cable UK | ● | ● | ● | ● | ● | ● |
| **A00000223** Multi-socket extension cable AU | ● | ● | ● | ● | ● | ● |
| **10008039** Shelf for FOC 200, FOC 120, FTC 120 | ● | ● | ● | ● | ● | ● |
| **10008040** Bottom Shelf FOC 120, FTC 120 | | | | ● | ● | ● |
| **40002722** Lighted shelf for FOC 200 IL | ● | | | | | |
| **E00010012** Velp Ermes 1 year Connection | ● | ● | ● | ● | ● | |
| **E00010036** Velp Ermes 3 year Connection | ● | ● | ● | ● | ● | |



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# Flocculators

## JLT 6

Digital flocculator featuring adjustable stirring speed and timer, a powerful brushless motor, and an illuminated back panel. JLT 6 provides standard and repeatable conditions for testing 6 samples with the same speed and time settings.

**Reliable**
JLT 6 guarantees a precise speed thanks to the electronically controlled brushless motor. It also ensures a strong resistance to chemical and mechanical corrosion.

**Practical**
JLT 6 has an illuminated back panel that simplifies the observation of the samples. All the stirring rods are adjustable in height without tools.

- Stirring speed from 10 to 300 rpm
- Digital
- Programmable speed and time



3 YEARS WARRANTY

| | | |
|---|---|---|
| JLT 6 | 100-240 V / 50-60 Hz | **F105A0109** |

## JLT 4

Digital flocculator featuring adjustable stirring speed and timer, a powerful brushless motor, and an illuminated back panel. JLT 4 provides standard and repeatable conditions for testing 6 samples with the same speed and time settings.

**Reliable**
JLT 4 guarantees a precise speed thanks to the electronically controlled brushless motor. It also ensures a strong resistance to chemical and mechanical corrosion.

**Practical**
JLT 4 has an illuminated back panel that simplifies the observation of the samples. All the stirring rods are adjustable in height without tools.

- Stirring speed from 10 to 300 rpm
- Digital
- Programmable speed and time



3 YEARS WARRANTY

| | | |
|---|---|---|
| JLT 4 | 100-240 V / 50-60 Hz | **F105A0108** |

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# FC6S

Analog flocculator with adjustable stirring speeds, a powerful brushless motor, and an illuminated back panel. With 6 independent positions, FC6S allows for testing and simulating different conditions simultaneously, ideal for the optimization of water treatment processes.

**Reliable**
FC6S guarantees a precise speed thanks to the electronically controlled brushless motor. It also ensures a strong resistance to chemical and mechanical corrosion.

**Versatile**
With the FC6S, the same product can be submitted to different conditions in parallel, while the speed can be changed during the test.

- Stirring speed 10 - 15 - 30 - 45 - 60 - 90 120 - 150 - 200 - 300 rpm
- Indipendent selectable speed for each position



3 YEARS WARRANTY

| | | |
|---|---|---|
| FC6S | 100-240 V / 50-60 Hz | **F105A0112** |

# FC4S

Analog flocculator with adjustable stirring speeds, a powerful brushless motor, and an illuminated back panel. With 4 independent positions, FC4S allows for testing and simulating different conditions simultaneously, ideal for the optimization of water treatment processes.

**Reliable**
FC4S guarantees a precise speed thanks to the electronically controlled brushless motor. It also ensures a strong resistance to chemical and mechanical corrosion.

**Versatile**
With the FC4S, the same product can be submitted to different conditions in parallel, while the speed can be changed during the test.

- Stirring speed 10 - 15 - 30 - 45 - 60 - 90 120 - 150 - 200 - 300 rpmù
- Indipendent selectable speed for each position



3 YEARS WARRANTY

| | | |
|---|---|---|
| FC4S | 100-240 V / 50-60 Hz | **F105A0111** |

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# FP4

Digital portable flocculator featuring adjustable stirring speed and timer, a powerful brushless motor, a central lighting system, and a practical handle for comfortable and reliable on-site water treatment tests. FP4 can be connected to a battery or a car cigarette lighter (12V).

**Reliable**
FP4 guarantees a precise speed thanks to the electronically controlled brushless motor. It also ensures a strong resistance to chemical and mechanical corrosion.

**Practical**
FP4 is designed to be used on-site for immediate results. FP4 provides standard and repeatable conditions for testing 4 samples with the same speed and time settings.

- Stirring speed 10 to 300 rpm
- Digital and portable
- Programmable speed and time



3 YEARS WARRANTY

FP 4 | 100-240 V / 50-60 Hz | **F105A0117**

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# Accessories - Flocculators

| | JLT 6 | JLT 4 | FC6S | FC4S | FP4 |
|---|---|---|---|---|---|
| **A00001000** Plastic beaker 1000 ml | ● | ● | ● | ● | ● |
| **A00001001** Glass beaker 1000 ml | ● | ● | ● | ● | ● |
| **A00001002** Transparent plastic Imhoff cone | ● | ● | ● | ● | |
| **A00001003** Glass graduated Imhoff cone | ● | ● | ● | ● | |
| **A00001004** Stand for 2 Imhoff cones | ● | ● | ● | ● | |
| **A00001005** Stand for 2 Imhoff cones | | | | | ● |
| **A00000319** IQ/OQ Manual JLT | ● | ● | | | |
| **A00000379** IQ/OQ FC4S - FC6S Manual | | | ● | ● | |
| **10003722** Power supply cord, US plug | ● | ● | ● | ● | |
| **10003723** Power supply cord, UK plug | ● | ● | ● | ● | |
| **10003724** Power supply cord, AU plug | ● | ● | ● | ● | |
| **10003083** Plug USA for power supply | | | | | ● |
| **10003084** Plug UK for power supply | | | | | ● |
| **10003085** Plug AU for power supply | | | | | ● |

# Other Solutions

## OCB Open Circulating Baths

Efficient and precise open circulating bath that ensures excellent temperature homogeneity (±1°C), accurate control and thermostating of testing materials.

**Easy to Use**
LCD display ensures a precise temperature setting. A wide choice of test tube racks is available.

- Temperature from room temperature to 105 °C



3 YEARS WARRANTY

(not available in USA, Mexico and Canada)

| | | |
|---|---|---|
| OCB | 230 V / 50-60 Hz | **F40300240** |
| OCB | 115 V / 50-60 Hz | **F40310240** |

For accessories visit online www.Velp.com

## SP 311 Peristaltic Pumps

An easy to use and reliable peristaltic pump, ideal for transferring gas, liquids, mixtures and emulsions in various industries.

**Easy to Use and Reliable**
Tubing resists most chemicals and ensures minimum maintenance.
The electronic speed control makes simple the control of the instrument.



3 YEARS WARRANTY

(not available in USA, Mexico and Canada)

| | | |
|---|---|---|
| SP 311/2 | 230 V / 50-60 Hz | **F40200002** |
| SP 311/6 | 230 V / 50-60 Hz | **F40200006** |
| SP 311/12 | 230 V / 50-60 Hz | **F40200012** |
| SP 311/60 | 230 V / 50-60 Hz | **F40200060** |

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# TB1 Turbidimeter

Waterproof, precise and easy to calibrate portable turbidimeter that measures the turbidity of aqueous samples simply and accurately with nephelometric method.

**Reliable and Precise**
Tb1 is supplied with 4 calibration standards (800, 100, 20 and 0.02 NTU) and can test up to 1200 samples with one set of batteries.

**Resistant**
IP 67 protection against ingress of particles and water.




3 YEARS WARRANTY

(not available in USA, Mexico and Canada)

| | | |
|---|---|---|
| TB 1 | - | **R109B12150** |

For accessories visit online www.Velp.com

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Rev 4.10.2025

Driven by curiosity