

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.



INSTRUMENT - CODE

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.



INSTRUMENT - CODE

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



■ 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.



ermes enabled

					
Volume (H ₂ O) 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

INSTRUMENT - CODE

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 ₂ O) 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

INSTRUMENT - CODE

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



■ 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 (H₂O)
100 L



Viscosity
Up to 70.000 mPa*s



Torque
100 Ncm



Stirring speed
From 30 to 1300 rpm



Timer



Safety Lock

INSTRUMENT - CODE

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 (H₂O)
40 L



Viscosity
Up to 50.000 mPa*s



Torque
60 Ncm



Stirring speed
From 30 to 2000 rpm



Timer



Safety Lock

INSTRUMENT - CODE

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



■ 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 (H₂O)
25 L



Viscosity
Up to 25.000 mPa*s



Torque
40 Ncm



Stirring speed
From 30 to 2000 rpm



Timer



Safety Lock



INSTRUMENT - CODE

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 (H₂O)
25 L



Viscosity
Up to 10.000 mPa*s



Torque
20 Ncm



Stirring speed
From 30 to 2000 rpm



Timer



Safety Lock



INSTRUMENT - CODE

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



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 (H₂O)
40 L



Viscosity
Up to 50.000 mPa*s



Torque
80 Ncm



Stirring speed
From 50 to 2000 rpm



Timer

INSTRUMENT - CODE

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 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 (H₂O)
25 L



Viscosity
Up to 25.000 mPa*s



Torque
40 Ncm



Stirring speed
From 50 to 2000 rpm



Timer

INSTRUMENT - CODE

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.



■ 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 (H₂O)
70 L



Viscosity
Up to 100.000 mPa*s



Torque
120 Ncm



Stirring speed
From 20 to 1200 rpm



INSTRUMENT - CODE

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 (H₂O)
40 L



Viscosity
Up to 50.000 mPa*s



Torque
80 Ncm



Stirring speed
From 50 to 2000 rpm



INSTRUMENT - CODE

LH

110-230 V / 50-60 Hz

F201A0156



■ LS

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 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 (H₂O)
25 L



Viscosity
Up to 25.000 mPa*s



Torque
40 Ncm



Stirring speed
From 50 to 2000 rpm

INSTRUMENT - CODE

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 (H₂O)
15 L



Viscosity
Up to 1.000 mPa*s



Torque
15 Ncm



Stirring speed
From 50 to 1300 rpm

INSTRUMENT - CODE

ES	110-230 V / 50-60 Hz	F201A0152
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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 Advance	•							
A00000391 OHS/ControllerSoft	•							
E00010012 VELP Ermes 1 Year Connection	•							
E00010036 VELP Ermes 3 Year Connection	•							

STIRRING SHAFTS - 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



Code A00000366

TELESCOPIC H-STAND



Code A00000369

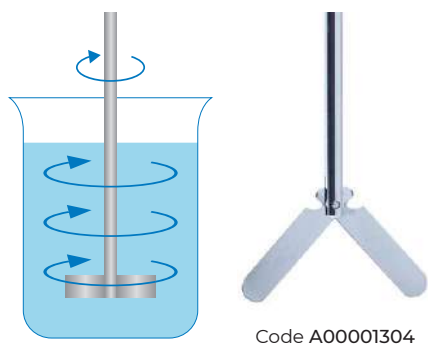
STIRRING SHAFTS - ACCESSORIES

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

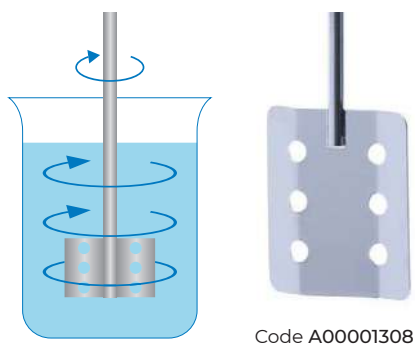
It is important to evaluate the characteristics and the effects on the fluid of the stirring shaft, together with the volume and viscosity:

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

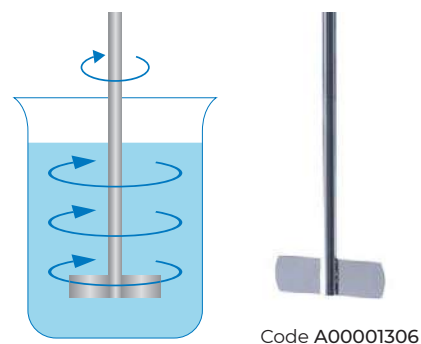
STIRRING SHAFT WITH FLOATING BLADES (VL - L)



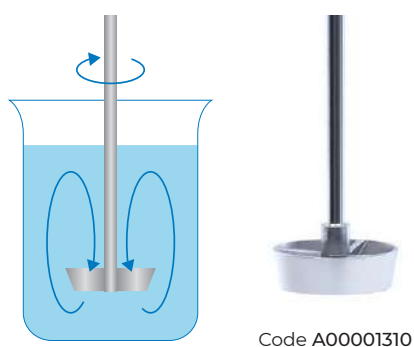
STIRRING SHAFT WITH 6-HOLE PADDLE (L - M)



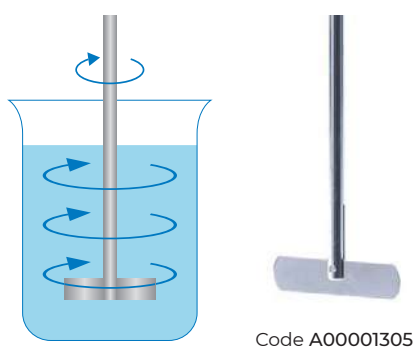
STIRRING SHAFT WITH FIXED BLADE (VL - L - M)



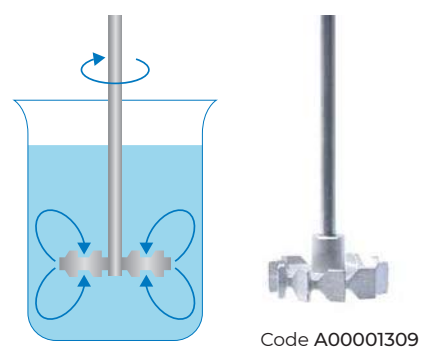
STIRRING SHAFT WITH TURBO PROPELLER (M - H)



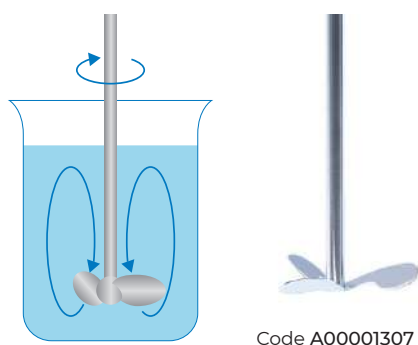
STIRRING SHAFT WITH FOLDING BLADE (VL - L)



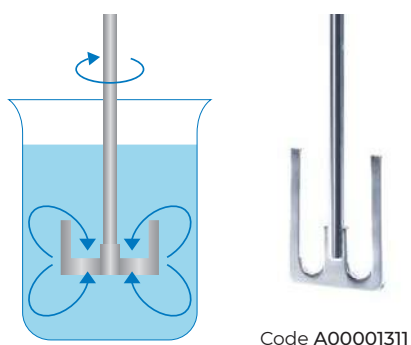
STIRRING SHAFT WITH TURBINE (M - H)



STIRRING SHAFT WITH PROPELLER (VL - L - M)



STIRRING SHAFT WITH ANCHOR (M - H)



VISCOSITY RANGE

Viscosity Range	
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
Kerosene	10	Refined honey	7,000
Lubricating oil	100	Body cream	8,000
Castrol oil, Glycerin	1,000	Honey	10,000
		Chocolate syrup	25,000
		Ketchup	50,000
		Toothpaste	70,000
		Molasses, Asphalt	100,000

■ CONTROLLER Advance (not available in USA, Mexico and Canada)

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

ermes enabled

INSTRUMENT - CODE

Controller Advance

115-230 V / 50-60 Hz

F201A0500



■ CONTROLLER Digital (not available in USA, Mexico and Canada)

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

INSTRUMENT - CODE

Controller Digital

115-230 V / 50-60 Hz

F201A0505



ACCESSORIES - CONTROLLER

	CONTROLLER ADVANCE	CONTROLLER DIGITAL
A00000391 OHS/ControllerSoft	•	
A00000394 Pt100 Probe XL Ø6 500mm	•	
A00000415 Motor 10 lb*in, 471 rpm , 1/11 HP - 24V	•	•
A00000416 Motor 28 lb*in, 500 rpm , 1/11 HP - 24V	•	•
A00000417 Motor 55 lb*in, 250 rpm , 1/11 HP - 24V	•	•
E00010012 VELP Ermes 1 year Connection	•	
E00010036 VELP Ermes 3 year Connection	•	

