



OHS Series

Overhead Stirrers

Safer, Smarter, Stronger



OHS Advance

Overhead stirrers with 3.5" TFT display, method setting, precise torque measurement, temperature monitoring, vibration sensor, timer and Wi-Fi connection to address the most demanding applications.

UNRIVALLED SAFETY

- The sealed case protects the instruments from corrosion even in the most aggressive environments with an IP 54 protection rating
- The Lock Key prevents unintentional modifications of the work setting
- Full protection in case of overload, overtemperature and overcurrent
- The vibration sensor guarantees maximum safety

SUPERIOR STIRRING POWER

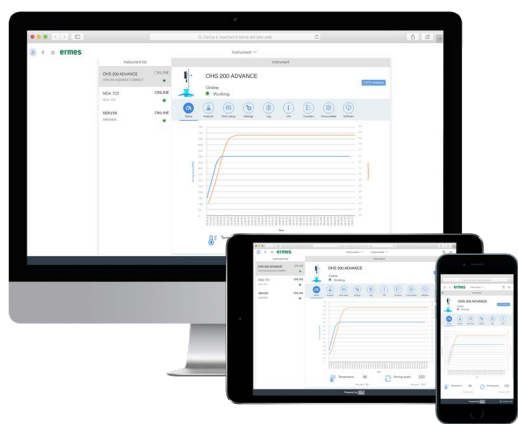
- Brushless motor and SpeedServo™ technology maintain torque constant at any speed
- Single and double speed gear models
- Up to 200 Ncm torque and 100 L volume depending on the model
- Silent operation even at maximum speed (up to 2000 rpm)

DESIGNED TO SIMPLIFY YOUR WORK

- The OHS SmartChuck™ technology simplifies the shaft accommodation process that can be carried out even with one hand and does not require any tool, making your life easier
- All the important information are always at a glance and the knob and keys facilitate the use in any condition
- Temperature monitoring with included Pt 100 temperature probe

EXCLUSIVE TECHNOLOGY

- Real time torque, speed and temperature graph monitoring
- Integral timer
- Programmable methods
- Remote control via Wi-Fi connection to VELP Ermes Cloud Platform



ermes enabled

- Monitor and control your reactions
- Remote start and stop
- Stirring speed setting
- Timer setting for unattended reactions
- Data logging and immediate notifications
- Software updates
- Data export in .xls, .csv, .pdf, LIMS etc.



Safety Lock

CONFIGURATIONS



OHS 60 Advance
Pt 100 included



OHS 100 Advance
Pt 100 included



OHS 200 Advance
Pt 100 included

OHS Digital

Digital Overhead Stirrers with up to 200 Ncm torque to guarantee excellent performance for any task. All models features brushless motor, SmartChuck™ and full set of safety features.

SAFE AND ROBUST

- The sealed case protects the instruments from corrosion even in the most aggressive environments with an IP 54 protection rating
- The Lock Key prevents unintentional modifications of the work setting
- Full protection in case of overload, overtemperature and overcurrent

SUPERIOR STIRRING POWER

- Brushless motor and SpeedServo™ technology maintain torque constant at any speed
- Single and double speed gear models
- Up to 200 Ncm torque and 100 volume depending on the model
- Silent operation even at maximum speed (up to 2000 rpm)

EASE OF USE

- The OHS SmartChuck™ technology simplifies the shaft accommodation process that can be carried out even with one hand and does not require any tool, making your life easier
- Digital display for precise setting and monitoring
- Compact design and easy handling

PREMIUM FEATURES

- Integral Timer for unattended operations
- Real time torque tendency led indicator
- USB Interface

Safety Lock



CONFIGURATIONS



OHS 20 Digital



OHS 40 Digital



OHS 60 Digital



OHS 100 Digital

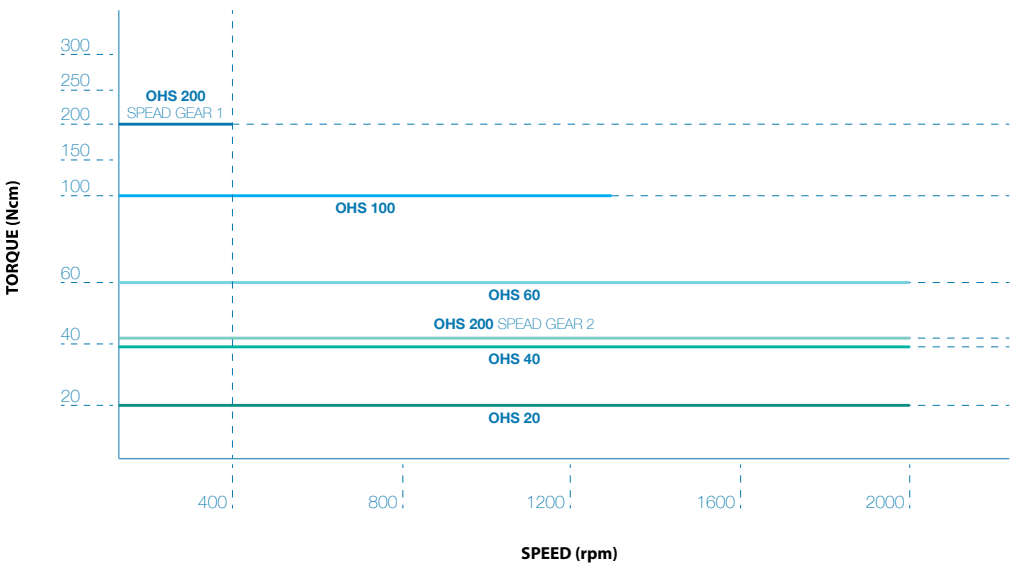


OHS 200 Digital

PREMIUM RESISTANCE IP 54



STABLE TORQUE AT ANY SPEED



SMARTCHUCK™



COMPACT, INTUITIVE AND EASY TO USE



OPTIONAL ACCESSORIES

Double clamp	A00001301
Ribbon clamp	A00001302
Probe extension cable, lenght 1 m	A00000002
Glass temperature probe	A00000003
Support rod for probe	A00000372
OHS/ControllerSoft	A00000391
VELP Ermes 1 Year Connection	E00010012
VELP Ermes 3 Years Connection	E00010036
IQ/OQ Manual OHS ADVANCE	A00000380
IQ/OQ Manual OHS DIGITAL	A00000381

H-STAND



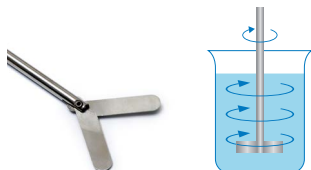
INSTRUMENT - CODE

OHS 20 Digital	230 V / 50-60 Hz	F20100494
OHS 20 Digital	115 V / 60 Hz	F20110494
OHS 40 Digital	230 V / 50-60 Hz	F20100493
OHS 40 Digital	115 V / 60 Hz	F20110493
OHS 60 Digital	230 V / 50-60 Hz	F20100492
OHS 60 Digital	115 V / 60 Hz	F20110492
OHS 100 Digital	230 V / 50-60 Hz	F20100491
OHS 100 Digital	115 V / 60 Hz	F20110491
OHS 200 Digital	230 V / 50-60 Hz	F20100490
OHS 200 Digital	115 V / 60 Hz	F20110490
OHS 60 Advance	230 V / 50-60 Hz	F20100482
OHS 60 Advance	115 V / 60 Hz	F20110482
OHS 100 Advance	230 V / 50-60 Hz	F20100481
OHS 100 Advance	115 V / 60 Hz	F20110481
OHS 200 Advance	230 V / 50-60 Hz	F20100480
OHS 200 Advance	115 V / 60 Hz	F20110480

VELP Stirring Shafts

■ Stirring shaft with floating blades

Code **A00001304**

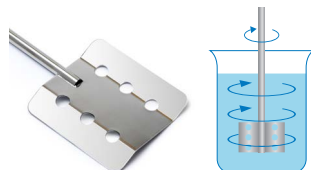


Viscosity Range: VL - L

Flow: Radial

■ Stirring shaft with 6-hole paddle

Code **A00001308**

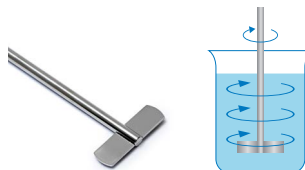


Viscosity Range: L - M

Flow: Tangential

■ Stirring shaft with fixed blade

Code **A00001306**



Viscosity Range: VL - L - M

Flow: Radial

■ Stirring shaft with turbo propeller

Code **A00001310**

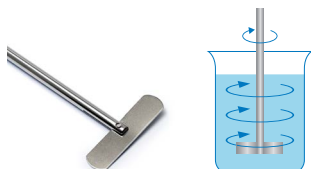


Viscosity Range: M - H

Flow: Axial

■ Stirring shaft with folding blade

Code **A00001305**

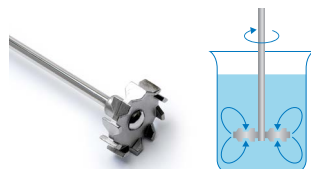


Viscosity Range: VL - L

Flow: Radial

■ Stirring shaft with turbine

Code **A00001309**



Viscosity Range: M - H

Flow: Radial

■ Stirring shaft with propeller

Code **A00001307**



Viscosity Range: VL - L - M

Flow: Axial

■ Stirring shaft with anchor

Code **A00001311**



Viscosity Range: M - H

Flow: Tangential

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
Kerosene	10
Lubricating oil	100
Castrol oil, Glycerin	1,000

Shampoo	3,000
Refined honey	7,000
Body cream	8,000
Honey	10,000

Choccolate syrup	25,000
Ketchup	50,000
Toothpaste	70,000
Molasses, Asphalt	100,000

TECHNICAL DATA

	OHS 20 Digital	OHS 40 Digital	OHS 60 Digital	OHS 100 Digital	OHS 200 Digital	OHS 60 Advance	OHS 100 Advance	OHS 200 Advance
DISPLAY	LED	LED	LED	LED	LED	Graphic TFT	Graphic TFT	Graphic TFT
DISPLAY SIZE	7 Digits	7 Digits	7 Digits	7 Digits	7 Digits	3.5"	3.5"	3.5"
USER INTERFACE	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital
MOTOR	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC
STIRRING VOLUME (H2O)	Up to 25 L	Up to 25 L	Up to 40 L	Up to 100 L	Up to 100 L	Up to 40 L	Up to 100 L	Up to 100 L
SPEED GEARS	1	1	1	1	2	1	1	2
MAX TORQUE (Ncm)	20	40	60	100	200	60	100	200
STIRRING SPEED RANGE	30-2000 rpm	30-2000 rpm	30-2000 rpm	30-1300 rpm	6-400 rpm 30-2000 rpm	30-2000 rpm	30-1300 rpm	6-400 rpm 30-2000 rpm
SPEED ACCURACY	1 rpm	1 rpm	1 rpm	1 rpm	1 rpm	1 rpm	1 rpm	1 rpm
SPEED CONTROL	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital
MAX VISCOSITY (mPa*s)	10.000	25.000	50.000	70.000	100.000	50.000	70.000	100.000
TORQUE COMPENSATION	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™
CHUCK RANGE Ø	From 1 to 13 mm	From 1 to 13 mm	From 1 to 13 mm	From 1 to 13 mm	From 1 to 13 mm	From 1 to 13 mm	From 1 to 13 mm	From 1 to 13 mm
SHAFT DIAMETER PASS-THROUGH	Up to 8.5 mm	Up to 8.5 mm	Up to 8.5 mm	Up to 8.5 mm	Up to 8.5 mm	Up to 8.5 mm	Up to 8.5 mm	Up to 8.5 mm
SAFETY VIBRATION SENSOR	-	-	-	-	-	Yes	Yes	Yes
TIMER	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
METHODS	-	-	-	-	-	Yes	Yes	Yes
LOCK OF THE INSTRUMENT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXTERNAL PROBE CONNECTION	-	-	-	-	-	Pt 100 (included)	Pt 100 (included)	Pt 100 (included)
TEMPERATURE MEASURING RANGE	-	-	-	-	-	-200 to 550 °C	-200 to 550 °C	-200 to 550 °C
TEMPERATURE RESOLUTION	-	-	-	-	-	0.1 °C	0.1 °C	0.1 °C
INTERFACES	USB	USB	USB	USB	USB	USB / Wi-Fi	USB / Wi-Fi	USB / Wi-Fi
OHS/CONTROLLER SOFT	-	-	-	-	-	Yes	Yes	Yes
DIMENSIONS (WxHxD)	90x285x235mm 3.5x11.2x9.3 in	90x285x235mm 3.5x11.2x9.3 in	90x285x235mm 3.5x11.2x9.3 in	90x285x235mm 3.5x11.2x9.3 in	90x315x235mm 3.5x12.4x9.3 in	90x285x235mm 3.5x11.2x9.3 in	90x285x235mm 3.5x11.2x9.3 in	90x315x235mm 3.5x12.4x9.3 in
WEIGHT	4,1 Kg 9 lb	4,1 Kg 9 lb	4,1 Kg 9 lb	4,1 Kg 9 lb	4,6 Kg 10,1 lb	4,1 Kg 9 lb	4,1 Kg 9 lb	4,6 Kg 10,1 lb
PROTECTION CLASS DIN EN 60529	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54



SERVICE & SUPPORT

GET THE SUPPORT YOU NEED CHOOSING THE OPTIONS:

- Help-desk and Remote support
- Technical Assistance
- Analytical Support



VELP Scientifica products are designed by our engineers to resist years of laboratory use. Our products are manufactured with premium materials to guarantee the best performance with maximum safety. According to our experience, a proper and regular maintenance is necessary to ensure the highest performance of analytical instrument. VELP Service Department and VELP Official Partners are always ready to offer you maintenance and service support tailored to your needs.



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

VELP Official Partner

LAT - Labor- und Analysen-Technik
Heinkelstr. 4
DE - 30827 Garbsen



DESIGNED AND MANUFACTURED IN ITALY



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

INDIA
velpindia@velp.com

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

CHINA
Xinlong Rd Building 28, Lane 1333
Shanghai city - China
Tel. +86 180 1755 7329
velpchina@velp.com



CONTROLLER Series

Reactor Controllers

The innovative solutions to manage and monitor the shaft rotation speed of brushless motors in lab-scale reactor systems of up to 100 L



CONTROLLER Advance

Glass reaction systems are used in a wide variety of industrial fields to control chemical processes to transform the raw materials into the desired final products. The VELP CONTROLLER Advance is the innovative and cloud enabled solution to manage and monitor the shaft rotation speed of brushless motors in lab-scale reactor systems of up to 100 L.

INTUITIVE AND PRECISE

- TFT 3.5" Display showing all setting information at a glance
- Real time torque, speed and temperature graph monitoring
- Precise digital speed control: ± 1 rpm
- Intuitive knob to navigate the menu and start stop operations
- PT100 Probe connection for temperature monitoring (-200°C to +550°C)

PROGRAMMABLE OPERATIONS

- Programmable methods to setup to 4 time/speed ramps
- Timer for unattended operations
- Easy CW/CCW stirring direction changes
- Safety lock button to avoid unintentional changes with settings

EXCLUSIVE CONNECTIVITY AND DATA LOGGING

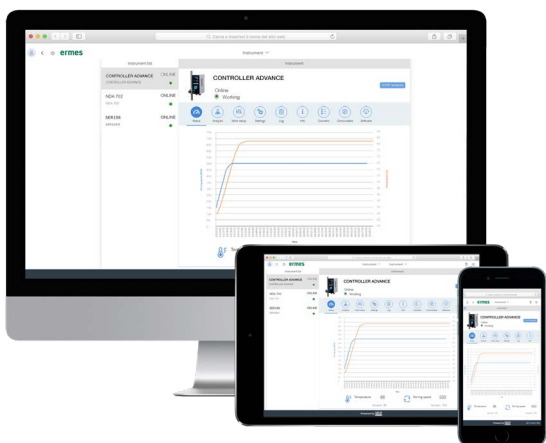
- Wi-Fi connection to VELP ERMES platform to monitor status and data logging on the cloud
- Cloud-bases service assistance and software updates
- USB interface for OHS/ControllerSoft software to data log, monitor, turn off/ turn on.



Safety Lock

ermes enabled

VELP ERMES CONNECTION



Connect the Controller Advance to the exclusive VELP Ermes Cloud Platform to improve your laboratory experience. The VELP Ermes Cloud platform connection will unburden you from tedious tasks, improving your lab productivity.

- Real time monitor and control of the instrument from PC, smartphone and tablet whenever you want, wherever you are
- Immediate alert and notification with the possibility to stop the instrument for maximum safety
- Regular software updates will guarantee the best performance and new features with just one-click

ermes enabled

CONTROLLER Digital

Glass reaction systems are used for a wide variety of industrial fields to control chemical processes to transform the raw materials into the desired final products. The CONTROLLER Digital is the VELP entry-level solution to manage and monitor the shaft rotation speed of brushless motors in lab-scale reactor systems of up to 100 L.

EASY-TO-USE

- Digital display for precisely set stirring speed
- Torque monitoring through the dedicated 4 segment Led display
- Precise speed control: ± 1 rpm
- Intuitive knob to navigate the menu and start/stop operations

SMART

- Timer for unattended operations
- Easy CW/CCW stirring direction change
- Safety lock button to avoid unintentional changes with settings



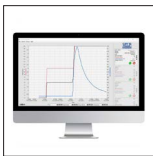
Safety Lock



OPTIONAL ACCESSORIES



A00000394
Pt100 Probe
XL Ø 6 500mm



A00000391
OHS
ControllerSoft



E00010012
VELP Ermes 1
Year Connection



E00010036
VELP Ermes 3
Year Connection

INSTRUMENT - CODE

Controller Advance	115-230 V / 50-60 Hz	F201A0500
Controller Digital	115-230 V / 50-60 Hz	F201A0505

VELP Brushless Motors

The Controller Advance and Digital are compatible with the following VELP brushless motors.

			
	A00000415 Motor 10 lb*in, 417 rpm, 1/11 HP -24V	A00000416 Motor 28 lb*in, 500 rpm, 1/4 HP -24V	A00000417 Motor 55 lb*in, 250 rpm, 1/4 HP -24V
TORQUE	113 N*cm (10 lb*in)	316 N*cm (28 lb*in)	621 N*cm (55 lb*in)
SPEED RANGE	20 - 417 rpm	35 - 500 rpm	15 - 250 rpm
POWER SUPPLY	24 V	24 V	24 V
POWER	68 W (1/11 HP)	187 W (1/4 HP)	187 W (1/4 HP)
MOTOR SHAFT DIAMETER	11 mm	19 mm	19 mm
MOTOR SHAFT LENGTH	31,4 mm	42,4 mm	42,4 mm
CABLES LENGTH	1,5 m	1,5 m	1,5 m
REACTOR VOLUME	Up to 25 liters of water	Up to 50 liters of water	Up to 100 liters of water



CONTROLLER Digital + Motor 10 lb*in, 471 rpm , 1/11 HP - 24V



CONTROLLER Advance + Motor 55 lb*in, 250 rpm , 1/4 HP - 24V

TECHNICAL DATA

	CONTROLLER Advance	CONTROLLER Digital
DISPLAY	3,5" Graphic TFT Display	Digital Display
USER INTERFACE	Digital	Digital
TORQUE COMPENSATION	SpeedServo™	SpeedServo™
STIRRING SPEED RANGE	35-500 rpm (depends on the motor)	35-500 rpm (depends on the motor)
STIRRING DIRECTION	Clockwise/Counterclockwise	Clockwise/Counterclockwise
SPEED ACCURACY	1 rpm step	1 rpm step
SPEED CONTROL	Digital	Digital
FIXING SYSTEM	Shafts up to Ø 20mm, on both sides	Shafts up to Ø 20mm, on both sides
SAFETY VIBRATION SENSOR	Yes	-
TIMER	Yes	Yes
METHOD SETTING	Yes	-
LOCK OF THE INSTRUMENT	Yes	Yes
EXTERNAL PROBE CONNECTION	Yes, Pt100	-
TEMPERATURE MEASURING RANGE	-200 to 550 °C	-
TEMPERATURE RESOLUTION	0.1 °C	-
CONNECTIVITY	USB / Wi-Fi	USB, only for software update
VELP ERMES CLOUD PLATFORM	Yes	-
OHS/CONTROLLER SOFT	Yes	-
DIMENSIONS (WxHxD)	90x180x170 mm (3.54x7.10x6.70 in)	90x180x170 mm (3.54x7.10x6.70 in)
WEIGHT	2,5 kg (5,51 lb)	2,5 kg (5,51 lb)



SERVICE & SUPPORT

VELP Scientifica products are designed by our engineers to resist years of laboratory use. Our products are manufactured with premium materials to guarantee the best performance with maximum safety. According to our experience, a proper and regular maintenance is necessary to ensure the highest performance of analytical instrument. VELP Service Department and VELP Official Partners are always ready to offer you maintenance and service support tailored to your needs.

GET THE SUPPORT YOU NEED CHOOSING THE OPTIONS:

- Help-desk and Remote support
- Technical Assistance
- Analytical Support



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

VELP Official Partner

LAT - Labor- und Analysen-Technik
Heinkelstr. 4
DE - 30827 Garbsen



DESIGNED AND MANUFACTURED IN ITALY



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

INDIA
velpindia@velp.com

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

CHINA
Xinlong Rd Building 28, Lane 1333
Shanghai city - China
Tel. +86 180 1755 7329
velpchina@velp.com

DLH

Advanced and High-Speed Overhead Stirrer

Better Performance, Higher Resistance, Digital Display

- Soft start and intensive mixing at high speed, up to 2000 rpm
- Ideal for volumes up to 40 litres and medium viscosities, up to 50,000 mPa*s
- Digital display, with continuous monitoring of speed, time and torque
- Extremely versatile, many stirring shafts available



VELP Scientifica powerful overhead stirrers can accomplish the **most demanding tasks** whilst providing soft start and intensive mixing.

The technopolymer structure ensures **optimum chemical resistance** and **enhanced handling**, preventing any possible rust and being extremely light. The **robust motor** ensures years of continuous operation, with no extra costs for maintenance.

DLH is an extremely performing overhead stirrer, suitable for **advanced requirements** in terms of volume (**40 litres**), viscosities (**50,000 mPa*s**) and torque (**80 Ncm**).

The **settable speed** can be regulated at any time, up to **2000 rpm**.

In addition, DLH guides the user with an **extremely bright and easy to read display**.

DLH is also equipped with an electronic system that keeps the stirring speed constant, even when liquid viscosity changes (**counter-reaction**).

Easy, quick set-up and slim casting, with minimum requirements in terms of space on the bench. The **“easy chuck”** is extremely **intuitive** and **easy to close**, without the need of any tool.

Features and Benefits

Extremely Settable

Speed can be regulated at any time and **timer** ensures unattended operation as it can be set up to 999:59 minutes, with **automatic switch off**.

Bright Display

All the most important parameters at a glance, including **speed set**, **real speed**, **torque** and **timer**.

Resistant

All of our solutions have been accurately designed and manufactured for offering the **longest lifespan** available, even in the worst operating conditions.

Safe

All the VELP Scientifica overhead stirrers work in accordance with the highest safety standard (IP 40). Equipped with **overload**, **overcurrent** and **overtemperature protection**.

Flexible

Can accommodate many shafts with up to 10 mm diameter, with the “**easy chuck**”.

Silent

Quiet operation ensured.

Technical Data	Description
Construction material:	technopolymer structure
Stirring speed:	up to 2000 rpm
Counter-reaction:	constant speed even when liquid viscosity changes
Stirring volume (H ₂ O):	up to 40 liters
Maximum torque:	80 Ncm
Maximum viscosity:	50,000 mPa*s
Digital display:	real speed, set speed, time and torque monitoring
Chuck range:	1 - 10 mm
Protection:	overload, overcurrent, overtemperature
Safety standard CEI EN 60529:	IP40
Power:	190 W
Weight:	3 Kg (6,6 lbs)
Dimensions (W x H x D):	80x230x196 mm (3.1x9.0x7.7 in)
Ordering Information	Description
Code No	
F201A0157	DLH Overhead stirrer 80-260V/50-60Hz

Many stirring shafts available.

Stirring shafts must be chosen considering the power of the stirrer, the volume of the substances to be stirred and its viscosity.

Your authorized agent:

LAT - Labor- und Analysen-Technik
Heinkelstr. 4
DE - 30827 Garbsen



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



VELP Scientifica srl
via Stazione 16
20040 Usmate (Milano) Italy
Tel +39 039 628811
Fax +39 039 6288120
inse@velp.it
www.velp.com

PW

Overhead Stirrer for High Viscosities

Better Performance, Higher Resistance, Extremely Flexible

- Soft start and intensive mixing at high speed, up to 1200 rpm
- Ideal for volumes up to 70 litres and high viscosities, up to 100,000 mPa*s
- Extremely versatile, many stirring shafts available



VELP Scientifica powerful overhead stirrers can accomplish the **most demanding tasks** whilst providing soft start and intensive mixing.

The technopolymer structure ensures **optimum chemical resistance** and **enhanced handling**, preventing any possible rust and being extremely light. The **robust motor** ensures years of continuous operation, with no extra costs for maintenance.

PW is an extremely performing overhead stirrer, suitable for **advanced requirements** in terms of volume (**70 litres**), viscosities (**100,000 mPa*s**) and torque (**120 Ncm**). The **settable speed** can be regulated at any time, up to **1200 rpm**.

Easy, quick set-up and slim casting, with minimum requirements in terms of space on the bench. The **“easy chuck”** is extremely **intuitive** and **easy to close**, without the need of any tool.

Features and Benefits

Settable

Speed can be regulated at any time.

Resistant

All of our solutions have been accurately designed and manufactured for offering the **longest lifespan** available, even in the worst operating conditions.

Safe

All the VELP Scientifica overhead stirrers work in accordance with the highest safety standard (**IP 40**). Equipped with **overload**, **overcurrent** and **overtemperature protection**.

Flexible

Can accommodate many shafts with up to 10 mm diameter, with the **“easy chuck”**.

Silent

Quiet operation ensured.

Technical Data	Description
Construction material:	technopolymer structure
Stirring speed:	up to 1200 rpm
Stirring volume (H ₂ O):	up to 70 liters
Maximum torque:	120 Ncm
Maximum viscosity:	100,000 mPa*s
Chuck range:	1 - 10 mm
Protection:	overload, overcurrent, overtemperature
Safety standard CEI EN 60529:	IP40
Power:	190 W
Weight:	2,9 Kg (6.4 lbs)
Dimensions (W x H x D) :	80x230x196 mm (3.1x9.0x7.7 in)
Ordering Information	Description
Code No	
F201A0150	PW Overhead stirrer 80-260V/50-60Hz

Many stirring shafts available.

Stirring shafts must be chosen considering the power of the stirrer, the volume of the substances to be stirred and its viscosity.

Your authorized agent:

LAT - Labor- und Analysen-Technik
Heinkelstr. 4
DE - 30827 Garbsen



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



VELP Scientifica srl
via Stazione 16
20040 Usmate (Milano) Italy
Tel +39 039 628811
Fax +39 039 6288120
inse@velp.it
www.velp.com

LH High-Speed Overhead Stirrer

Better Performance, Higher Resistance, Extremely Flexible

- Soft start and intensive mixing at high speed, up to 2000 rpm
- Ideal for volumes up to 40 litres and medium viscosities, up to 50,000 mPa*s
- Extremely versatile, many stirring shafts available



VELP Scientifica powerful overhead stirrers can accomplish the **most demanding tasks** whilst providing soft start and intensive mixing.

The technopolymer structure ensures **optimum chemical resistance** and **enhanced handling**, preventing any possible rust and being extremely light. The **robust motor** ensures years of continuous operation, with no extra costs for maintenance.

LH is an extremely performing overhead stirrer, suitable for **advanced requirements** in terms of volume (**40 litres**), viscosities (**50,000 mPa*s**) and torque (**80 Ncm**). The **settable speed** can be regulated at any time, up to **2000 rpm**.

Easy, quick set-up and slim casting, with minimum requirements in terms of space on the bench. The **“easy chuck”** is extremely **intuitive** and **easy to close**, without the need of any tool.

Features and Benefits

Settable

Speed can be regulated at any time.

Resistant

All of our solutions have been accurately designed and manufactured for offering the **longest lifespan** available, even in the worst operating conditions.

Safe

All the VELP Scientifica overhead stirrers work in accordance with the highest safety standard (**IP 40**). Equipped with **overload**, **overcurrent** and **overtemperature protection**.

Flexible

Can accommodate many shafts with up to 10 mm diameter, with the **“easy chuck”**.

Silent

Quiet operation ensured.

Technical Data	Description
Construction material:	technopolymer structure
Stirring speed:	up to 2000 rpm
Stirring volume (H ₂ O):	up to 40 liters
Maximum torque:	80 Ncm
Maximum viscosity:	50,000 mPa*s
Chuck range:	1 - 10 mm
Protection:	overload, overcurrent, overtemperature
Safety standard CEI EN 60529:	IP40
Power:	190 W
Weight:	2,9 Kg (6.4 lbs)
Dimensions (W x H x D) :	80x230x196 mm (3.1x9.0x7.7 in)
Ordering Information	Description
Code No	
F201A0156	LH Overhead stirrer 80-260V/50-60Hz

Many stirring shafts available.

Stirring shafts must be chosen considering the power of the stirrer, the volume of the substances to be stirred and its viscosity.

Your authorized agent:

LAT - Labor- und Analysen-Technik
Heinkelstr. 4
DE - 30827 Garbsen



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



VELP Scientifica srl
via Stazione 16
20040 Usmate (Milano) Italy
Tel +39 039 628811
Fax +39 039 6288120
inse@velp.it
www.velp.com

LS High-Speed Overhead Stirrer

Better Performance, Higher Resistance, Extremely Flexible

- Soft start and intensive mixing at high speed, up to 2000 rpm
- Ideal for volumes up to 25 litres and medium viscosities, up to 25,000 mPa*s
- Extremely versatile, many stirring shafts available



VELP Scientifica powerful overhead stirrers can accomplish the **most demanding tasks** whilst providing soft start and intensive mixing.

The technopolymer structure ensures **optimum chemical resistance** and **enhanced handling**, preventing any possible rust and being extremely light. The **robust motor** ensures years of continuous operation, with no extra costs for maintenance.

LS is an extremely performing overhead stirrer, suitable for **advanced requirements** in terms of volume (**25 litres**), viscosities (**25,000 mPa*s**) and torque (**40 Ncm**). The **settable speed** can be regulated at any time, up to **2000 rpm**.

Easy, quick set-up and slim casting, with minimum requirements in terms of space on the bench. The **“easy chuck”** is extremely **intuitive** and **easy to close**, without the need of any tool.

Features and Benefits

Settable

Speed can be regulated at any time.

Resistant

All of our solutions have been accurately designed and manufactured for offering the **longest lifespan** available, even in the worst operating conditions.

Safe

All the VELP Scientifica overhead stirrers work in accordance with the highest safety standard (**IP 40**). Equipped with **overload**, **overcurrent** and **overtemperature protection**.

Flexible

Can accommodate many shafts with up to 10 mm diameter, with the **“easy chuck”**.

Silent

Quiet operation ensured.

Technical Data	Description
Construction material:	technopolymer structure
Stirring speed:	up to 2000 rpm
Stirring volume (H ₂ O):	up to 25 liters
Maximum torque:	40 Ncm
Maximum viscosity:	25,000 mPa*s
Chuck range:	1 - 10 mm
Protection:	overload, overcurrent, overtemperature
Safety standard CEI EN 60529:	IP40
Power:	120 W
Weight:	2,3 Kg (5 lbs)
Dimensions (W x H x D) :	80x215x196 mm (3.1x8.5x7.7 in)
Ordering Information	Description
Code No	
F201A0151	LS Overhead stirrer 80-260V/50-60Hz

Many stirring shafts available.

Stirring shafts must be chosen considering the power of the stirrer, the volume of the substances to be stirred and its viscosity.

Your authorized agent:

LAT - Labor- und Analysen-Technik
Heinkelstr. 4
DE - 30827 Garbsen



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



VELP Scientifica srl
via Stazione 16
20040 Usmate (Milano) Italy
Tel +39 039 628811
Fax +39 039 6288120
inse@velp.it
www.velp.com

ES Overhead Stirrer for Basic Requirements

Better Performance, Higher Resistance, Extremely Flexible

- Soft start and intensive mixing at high speed, up to 1300 rpm
- Ideal for volumes up to 15 litres and low viscosities, up to 1,000 mPa*s
- Extremely versatile, many stirring shafts available



VELP Scientifica powerful overhead stirrers can accomplish the **most demanding tasks** whilst providing soft start and intensive mixing.

The technopolymer structure ensures **optimum chemical resistance** and **enhanced handling**, preventing any possible rust and being extremely light. The **robust motor** ensures years of continuous operation, with no extra costs for maintenance.

ES is an extremely performing overhead stirrer, suitable for **advanced requirements** in terms of volume (**15 litres**), viscosities (**1,000 mPa*s**) and torque (**15 Ncm**). The **settable speed** can be regulated at any time, up to **1300 rpm**.

Easy, quick set-up and slim casting, with minimum requirements in terms of space on the bench. The **“easy chuck”** is extremely **intuitive** and **easy to close**, without the need of any tool.

Features and Benefits

Settable

Speed can be regulated at any time.

Resistant

All of our solutions have been accurately designed and manufactured for offering the **longest lifespan** available, even in the worst operating conditions.

Safe

All the VELP Scientifica overhead stirrers work in accordance with the highest safety standard (**IP 40**). Equipped with **overload**, **overcurrent** and **overtemperature protection**.

Flexible

Can accommodate many shafts with up to 10 mm diameter, with the **“easy chuck”**.

Silent

Quiet operation ensured.

Technical Data	Description
Construction material:	technopolymer structure
Stirring speed:	up to 1300 rpm
Stirring volume (H ₂ O):	up to 15 liters
Maximum torque:	15 Ncm
Maximum viscosity:	1,000 mPa*s
Chuck range:	1 - 10 mm
Protection:	overload, overcurrent, overtemperature
Safety standard CEI EN 60529:	IP40
Power:	30 W
Weight:	1,3 Kg (2,86 lbs)
Dimensions (W x H x D) :	80x160x200 mm (3.1x6.3x7.9 in)
Ordering Information	Description
Code No	
F201A0152	ES Overhead stirrer 80-260V/50-60Hz

Many stirring shafts available.

Stirring shafts must be chosen considering the power of the stirrer, the volume of the substances to be stirred and its viscosity.

Your authorized agent:

LAT - Labor- und Analysen-Technik
Heinkelstr. 4
DE - 30827 Garbsen



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



VELP Scientifica srl
via Stazione 16
20040 Usmate (Milano) Italy
Tel +39 039 628811
Fax +39 039 6288120
inse@velp.it
www.velp.com