















# VELP Scientifica Solutions for Overhead Stirring

## TORQUE (Ncm)

ANALOG

DIGITAL

	15/20	40	60	80	100	120	200
ANALOG	 <p><b>ES</b> Up to 15 L</p>	 <p><b>LS</b> Up to 25 L</p>		 <p><b>LH</b> Up to 40 L</p>		 <p><b>PW</b> Up to 70 L</p>	
DIGITAL	 <p><b>OHS 20 Digital</b> Up to 25 L</p>	 <p><b>DLS</b> Up to 25 L</p>	 <p><b>OHS 60 Digital</b> Up to 40 L</p>	 <p><b>DLH</b> Up to 40 L</p>	 <p><b>OHS 100 Digital</b> Up to 100 L</p>	 <p><b>OHS 200 Digital</b> Up to 100 L</p>	
		 <p><b>OHS 40 Digital</b> Up to 25 L</p>	 <p><small>ermes enabled</small> <b>OHS 60 Advance</b> Up to 40 L</p>		 <p><small>ermes enabled</small> <b>OHS 100 Advance</b> Up to 100 L</p>	 <p><small>ermes enabled</small> <b>OHS 200 Advance</b> Up to 100 L</p>	



## VELP Scientifica Solutions for Overhead Stirring



Stirring speed rpm	from 6 to 400 from 30 to 2000	from 30 to 1300	from 30 to 2000	from 6 to 400 from 30 to 2000	from 30 to 1300	from 30 to 2000	from 30 to 2000	from 30 to 2000
Stirring volume L	up to 100	up to 100	up to 40	up to 100	up to 100	up to 40	up to 25	up to 25
Operating mode	continuous / timer	continuous / timer	continuous / timer	continuous / timer	continuous / timer	continuous / timer	continuous / timer	continuous / timer
Display	<b>3,5" TFT Grafic</b>	<b>3,5" TFT Grafic</b>	<b>3,5" TFT Grafic</b>	<b>LED</b>	<b>LED</b>	<b>LED</b>	<b>LED</b>	<b>LED</b>
Maximum viscosity mPa*s	100.000	70.000	50.000	100.000	70.000	50.000	25.000	10.000
Maximum torque Ncm	200	100	60	200	100	60	40	20
Chuck capacity mm	from 1 to 13	from 1 to 13	from 1 to 13	from 1 to 13	from 1 to 13	from 1 to 13	from 1 to 13	from 1 to 13
Safety Vibration Sensor	•	•	•					
Timer	•	•	•					
Method Setting	•	•	•					
External temperature control	•	•	•					
Interfaces	USB/Wifi	USB/Wifi	USB/Wifi	USB	USB	USB	USB	USB
Counter reaction	•	•	•	•	•	•	•	•
Dimensions (WxHxD) mm	90x315x235	90x285x235	90x285x235	90x315x235	90x285x235	90x285x235	90x285x235	90x285x235
(in)	(3,5x12,4x9,3)	(3,5x11,2x9,3)	(3,5x11,2x9,3)	(3,5x12,4x9,3)	(3,5x11,2x9,3)	(3,5x11,2x9,3)	(3,5x11,2x9,3)	(3,5x11,2x9,3)
Weight	Kg	4,6	4,1	4,1	4,6	4,1	4,1	4,1
(lb)	(10,1)	(9)	(9)	(10,1)	(9)	(9)	(9)	(9)
Power Supply	230 V / 50-60 Hz 115 V / 60Hz	230 V / 50-60 Hz 115 V / 60Hz	230 V / 50-60 Hz 115 V / 60Hz	230 V / 50-60 Hz 115 V / 60Hz	230 V / 50-60 Hz 115 V / 60Hz	230 V / 50-60 Hz 115 V / 60Hz	230 V / 50-60 Hz 115 V / 60Hz	230 V / 50-60 Hz 115 V / 60Hz
Power	190 W	190 W	190 W	190 W	190 W	190 W	190 W	190 W









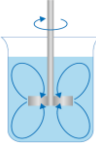
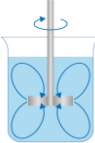
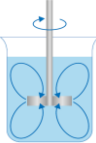
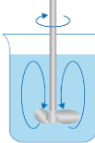
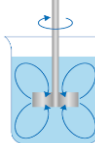
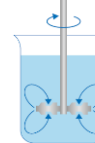
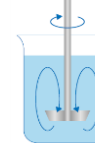
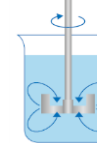
## VELP Scientifica Solutions for Overhead Stirring



	ES	LS	DLS	LH	DLH	PW
Stirring speed rpm	from 50 to 1300	from 50 to 2000	from 50 to 2000	from 50 to 2000	from 50 to 2000	from 20 to 1200
Stirring volume L	up to 15	up to 25	up to 25	up to 40	up to 40	up to 70
Operating mode	continuous	continuous	continuous / timer	continuous	continuous / timer	continuous
Digital Display			• (set and real speed, torque and timer)		• (set and real speed, torque and timer)	
Maximum viscosity mPa*s	1,000	25,000	25,000	50,000	50,000	100,000
Maximum torque Ncm	15	40	40	80	80	120
Chuck capacity mm	from 1 to 10	from 1 to 10	from 1 to 10	from 1 to 10	from 1 to 10	from 1 to 10
Counter reaction			•		•	
Dimensions (WxHxD) mm	80x160x200	80x215x196	80x215x196	80x230x196	80x230x196	80x230x196
	(in)	(3.1x6.3x7.9)	(3.1x8.5x7.7)	(3.1x9.0x7.7)	(3.1x9.0x7.7)	(3.1x9.0x7.7)
Weight	Kg	1.3	2.3	2.5	2.9	2.9
	(lb)	(2.9)	(5.1)	(5.5)	(6.4)	(6.4)
Power Supply	110-230 V / 50-60 Hz	110-230 V / 50-60 Hz	110-230 V / 50-60 Hz	110-230 V / 50-60 Hz	110-230 V / 50-60 Hz	110-230 V / 50-60 Hz
Power	30 W	120 W	120 W	190 W	190 W	190 W

# VELP Scientifica Solutions for Stirring Shafts

## STIRRING SHAFTS

	Stirring shaft with floating blades A00001304	Stirring shaft with folding blade A00001305	Stirring shaft with fixed blade A00001306	Stirring shaft with propeller A00001307	Stirring shaft with 6-hole paddle A00001308	Stirring shaft with turbine A00001309	Stirring shaft with turbo propeller A00001310	Stirring shaft with anchor A00001311
								
								
<b>Blade Ø (mm)</b>	93	60	50	60	69	49	46	45
<b>Shaft Ø (mm)</b>	7	7	7	7	7	7	7	8
<b>Shaft Length (mm)</b>	400	400	400	400	450	450	450	450
<b>Speed range</b>	M-H	M-H	M-H	M-H	L-M	M-H	M-H	L-H
<b>Viscosity Range</b>	VL-L	VL-L	VL-L-M	VL-L-M	L-M	M-H	M-H	M-H
	The two blades that open as the speed rises generate an axial flow in the container, from the top towards the bottom. Particularly recommended for stirring in narrow-neck containers, e.g. flasks.	The blade that automatically falls into line during rotation generates an axial flow in the container, from the top towards the bottom. Particularly recommended for stirring in narrow-neck containers.	It generates an axial flow in the container, from the top towards the bottom. Employment: Use at medium-high speed for whirling light solids, for flocculations, mixing thickening agents, stirring sludge, etc.	Standard stirring shaft. It generates an axial flow in the container with suction of the substance from the bottom towards the top and localized occurrence of shearing forces.	It generates a tangential flow with reduced turbulence and with gentle mixing of the product.	It generates a radial flow with suction of the product from the top towards the bottom, with high turbulence and high shearing forces.	It generates an axial flow in the container with suction of the substance from the top towards the bottom with low shearing forces. Limited danger of any contact of the blade with the walls of the product's container.	It generates a tangential flow with high shearing forces on the ends. The flow generated limits the possibility of sedimentation on the walls of the container.

### Speed Range

Low (L)	<250
Medium (M)	250-800
High (H)	>800

### Viscosity Range

Very Low (VL)	0-100
Low (L)	100-1000
Medium (M)	1000-10000
High (H)	10000-100000



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