MAGNETIC STIRRERS

MAGNETIC STIRRERS

Specially designed for chemical, biotechnological, pharmaceutical, microbiological and medical applications such as growing microorganisms, dissolving nutrients and solids and preventing suspended matter from settling during titration. VELP Scientifica's magnetic stirrers offer solutions for diversified laboratory applications and the **highest safety standards** available on the market, with sample volumes ranging from 250 ml to 25 liters.

MST

The **MST** magnetic stirrer with ABS structure is a **small, simple** and **efficient** stirrer. Extremely useful where a small but **reliable** instrument is needed, the white surface makes it particularly suitable for microtitrations. The MST magnetic stirrer **remains cold** even after several days of continuous use, a feature that is highly appreciated in microbiology and biochemistry.

Electronic speed regulation: up to 1100 rpm
Stirring volume (H_2O): up to 5 L

UK and AU adapter plugs are available on request.

INSTRUMENT	POWER SUPPLY	CODE No
MST	100÷240 V / 50-60 Hz	F203A0440



MST Digital

The **MST Digital** is a small magnetic stirrer equipped with a bright **digital display** to set the stirring speed. It has outstanding chemical resistance, is ideal for microtitration stirrings and is extremely useful in a great variety of application including microbiology, biochemistry and BOD analysis. The **SpeedServo™** ensures constant speed, counter reacting to viscosity changes, and the **auto-reverse** ensures enhanced mixing. The MST Digital remains cold even after several hours of continuous working. It is the perfect solution for every laboratory ensuring versatility and a compact design.

On board **timer** for unattended operations
Electronic speed regulation: up to 1500 rpm
Stirring volume (H_2O): up to 5 L

UK and AU adapter plugs are available on request.

INSTRUMENT	POWER SUPPLY	CODE No
MST Digital	100÷240 V / 50-60 Hz	F203A0450



MICROSTIRRER

The **MICROSTIRRER** is a small and efficient magnetic stirrer specially designed for Microtitration with epoxy painted **metal structure** resistant to chemichals.

Electronic speed regulation: up to 1100 rpm
Stirring volume (H_2O): up to 5 L

INSTRUMENT	POWER SUPPLY	CODE No
MICROSTIRRER	100÷240 V / 50-60 Hz	F203A0161



ESP

The **ESP** is a **mantainance-free ultraflat** magnetic stirrer with no moving mechanical components. The stirring consist of coils that induce a rotating magnetic field. High resistance to chemicals.

Electronic speed regulation: up to 1100 rpm
Stirring volume (H_2O): up to 5 L

INSTRUMENT	POWER SUPPLY	CODE No
ESP	100÷240 V / 50-60 Hz	F206A0179



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MULTISTIRRER

The **MULTISTIRRER** is multi-position magnetic stirrer available in 6 or 15 positions for beakers with a maximum diameter of 85 mm and 64 mm, respectively. The MULTISTIRRER **remains cold** even after several days of continuous operation and is ideal for thermostatting the samples when used with a recirculating water bath.

Electronic speed regulation: from 80 to 1500 rpm
SpeedServo™: constant speed even when the viscosity changes

MULTISTIRRER 6
Stirring volume (H_2O): up to 400 ml per position
Distance between stirring position centres: 100 mm

MULTISTIRRER 15
Stirring volume (H_2O): up to 250 ml per position
Distance between stirring position centres: 74 mm

UK and AU adapter adapter plugs are available on request.

INSTRUMENT	POWER SUPPLY	CODE No
MULTISTIRRER 6	100÷240 V / 50-60 Hz	F203A0177
MULTISTIRRER 15	100÷240 V / 50-60 Hz	F203A0178



MULTISTIRRER DIGITAL

The **MULTISTIRRER Digital** provides synchronized stirring on 6 or 15 samples. A **digital display** ensures a precise setting of stirring speed, constantly. One of its most appreciated features, in microbiology and biochemistry, is that it **remains cold.** Its versatility is extended by the possibility to be combined with a recirculating water bath to thermostat the samples.

Electronic speed regulation: from 80 to 1500 rpm
SpeedServo™: constant speed even when the viscosity changes
Adjustable auto-reverse function ensures enhanced mixing
On board **timer** for unattended operations

MULTISTIRRER 6 Digital
Stirring volume (H_2O): up to 400 ml per position
Distance between stirring position centres: 100 mm

MULTISTIRRER 15 Digital
Stirring volume (H_2O): up to 250 ml per position
Distance between stirring position centres: 74 mm

UK and AU adapter adapter plugs are available on request.

INSTRUMENT	POWER SUPPLY	CODE No
MULTISTIRRER 6 Digital	100÷240 V / 50-60 Hz	F203A0179
MULTISTIRRER 15 Digital	100÷240 V / 50-60 Hz	F203A0180



AGE AND ATE

AGE and **ATE** are **highly resistant** magnetic stirrers with epoxy painted metal structure.

Electronic speed regulation: up to 1200 rpm
Stirring volume (H_2O): up to 8 L

INSTRUMENT	POWER SUPPLY	CODE No
AGE	230 V / 50 Hz	F20320164
AGE	230 V / 60 Hz	F20330164
AGE	115 V / 60 Hz	F20340164



Electronic speed regulation: up to 1200 rpm
Stirring volume (H_2O): up to 25 L

INSTRUMENT	POWER SUPPLY	CODE No
ATE	230 V / 50-60 Hz	F20300165
ATE	115 V / 50-60 Hz	F20310165



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AMI

The **AMI** is an **illuminated** single-position magnetic stirrer particularly useful for titrations where **optimum lighting conditions** are needed in order to identify the colorimetric end point. It is especially recommended for titrations that have slight color changes.

Electronic speed regulation: up to 1100 rpm
Stirring volume (H_2O): up to 5 L

UK and AU adapter adapter plugs are available on request.

INSTRUMENT	POWER SUPPLY	CODE No
AMI	100÷240 V / 50-60 Hz	F204A0167



AMI 4

The **AMI 4** is an **illuminated** magnetic stirrer with 4 separately controlled positions. It is particularly useful for titrations where **optimum lighting conditions** are needed in order to identify the colorimetric end point. It is especially recommended for titrations that have slight color changes.

Electronic speed regulation: up to 1100 rpm
Stirring volume (H_2O): up to 5 L per position
Distance between stirring position centres: 150 mm

UK and AU adapter adapter plugs are available on request.

INSTRUMENT	POWER SUPPLY	CODE No
AMI 4	100÷240 V / 50-60 Hz	F204A0168



	STIRRING SPEED rpm	STIRRING VOLUME L	DIMENSIONS (WxHxD) mm (in)	WEIGHT Kg (lb)	POWER SUPPLY	POWER
MST	up to 1100	up to 5	120x50x145 (4.7x1.97x5.7)	0.4 (0.9)	100÷240 V	0.6 W
MST Digital	up to 1500	up to 5	120x50x145 (4.7x1.97x5.7)	0.6 (1.3)	100÷240 V	0.6 W
MICROSTIRRER	up to 1100	up to 5	120x48x128 (4.7x1.9x5.0)	0.55 (1.1)	100÷240 V	0.6 W
ESP	up to 1100	up to 5	160x33x230 (6.3x1.3x9.0)	0.9 (2.0)	100÷240 V	5 W
AGE	up to 1200	up to 8	171x75x190 (6.7x2.9x7.5)	1.8 (4.0)	115 or 230 V	40 W
ATE	up to 1200	up to 25	250x120x285 (9.8x4.7x11.2)	3.7 (8.1)	115 or 230 V	15 W
MULTISTIRRER	from 80 to 1500	up to 0.4 (x 6) / 0.25 (x 15)	230x51.5x370 (9.0x2.0x14.5)	1.75 (3.8) / 2.1 (4.6)	100÷240 V	3.6 / 9 W
MULTISTIRRER Digital	from 80 to 1500	up to 0.4 (x 6) / 0.25 (x 15)	230x51.5x370 (9.0x2.0x14.5)	1.75 (3.8) / 2.1 (4.6)	100÷240 V	3.6 / 9 W
AMI	up to 1100	up to 5	150x55x270 (5.9x2.2x10.6)	1.2 (2.6)	100÷240 V	1.2 W
AMI 4	up to 1100	up to 5 (x 4 pos.)	600x55x270 (23.6x2.2x10.6)	4 (8.8)	100÷240 V	4.8 W

MST, MST DIGITAL, MICROSTIRRER, ESP, AGE, ATE, MULTISTIRRER, MULTISTIRRER DIGITAL, AMI, AMI4 ACCESSORIES

INTERCHANGEABLE PLUGS	CODE No
UK plug	10003084 *
Australian plug	10003085 *

* for MST, MST Digital, MICROSTIRRER, MULTISTIRRER, MULTISTIRRER Digital, AMI, AMI4 and ESP

OPTIONAL ACCESSORIES	CODE No
Magnetic stirring bar, 6x20 mm	A00001057 *
Magnetic stirring bar, 6x35 mm	A00001056 **
Magnetic stirring bar, 9.5x60 mm	A00001061 ***
Magnetic stirring bar, 10x40 mm	A00001060 ****
Thermostatic bath for samples, 408x240x85 mm	A00001055 *****

* for MST, MST Digital, MICROSTIRRER, AGE, MULTISTIRRER, MULTISTIRRER Digital, AMI and AMI4
** for MST, MST Digital, MICROSTIRRER, AGE, ATE, MULTISTIRRER, MULTISTIRRER Digital, AMI and AMI4
*** ATE only
**** ESP only
***** for MULTISTIRRER, MULTISTIRRER Digital

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