

# MM-1000, Overhead Stirrer Multi Mixer

## DESCRIPTION

Overhead Stirrer Multi Mixer **MM-1000** is designed for stirring liquids up to 20 litres. Quiet and reliable mixer that can provide stable continuous mixing up to 7 daynights. It can realize three types of motion:

- 1 Rotational
- 2 Reciprocal
- 3 Vibration.

**MM-1000** performs separate (mono-) (1; 2; 3), consecutive binary cycles (*c*) (1–2) × *c*; (1–3) × *c* and (2–3) × *c* and complex tri-cycles (1–2–3) × *c*.

Speed, angle and time of stirrer rotation is under microprocessor control.

Multi Mixer can be used for stirring solutions up to the “medium viscosity” range (from 1,000 to 10,000 mPas). It is an ideal instrument for biotechnology, organic synthesis, analytical laboratories.

The innovative combination of three motion types provides high level of homogeneity due to consecutive combination of laminar and turbulent flows that cause substances to dissolve faster.

Electrically safe and energy efficient — powered by 12 V external power supply.

## SPECIFICATIONS

### SPECIFICATIONS OF MOVEMENT TYPES:

#### 1 Rotation:

Speed regulation range	40–1,000 rpm
Time	0–250 sec

#### 2 Reciprocal motion:

Turning angle	0°–360° (increment 30°)
Time	0–250 sec

#### 3 Vibro motion:

Turning angle	0°–5° (increment 1°)
Timer	0–5 sec
Stirring volume up to (H <sub>2</sub> O)	20 l

Digital time setting	1 min–96 hrs / non-stop (increment 1 min)
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Overall dimensions (W × D × H)	140 × 135 × 250 mm
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Weight	2.4 kg
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Input current/power consumption	12 V, 700 mA / 8.4 W
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External power supply	Input AC 100–240 V 50/60 Hz, Output DC 12 V
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MM-1000 on a stand



Basic Plus  
 Product Class



Multi mixing

6 Rod and base



# Accessories for MM-1000

CATALOGUE NUMBER:

Cat. number



MM-1000 without stirrers

BS-010306-AAH

Optional accessories:	Type	Dimensions	Cat. number
<b>A</b> MP-1	Paddle stirrer	378 × (70 × 70) × 8 mm	BS-010306-AK
<b>B</b> MP-2	Propeller stirrer	2 folding blades (326 × 55 × 8 mm)	BS-010306-BK
<b>C</b> MP-3	Propeller stirrer	3 folding blades (325 × 50 × 8 mm)	BS-010306-CK
<b>D</b> MA-1	Anchor stirrer	332 × 90 × 8 mm	BS-010306-DK
<b>E</b> MC-1	Centrifugal stirrer	358 × 60 (110) × 8 mm	BS-010306-EK
<b>F</b> Double clamp	—	For device mounting	VELA00001301
<b>G</b> Rod and base (page 78)	—	For device mounting, 40 × 30 × 87cm	VELA00001300

**A** MP-1



**B** MP-2



**C** MP-3



**D** MA-1



**E** MC-1



**F** Double clamp

