



designed for scientists



MS 450 Swirler

/// Data Sheet

The MS450 Swirler is the solution for mixing lyophilized powder with sterile water for injection (SWFI). The Swirler gently mixes up to 8 vials at 450 rpms.

- Continuous operation
- Simple to use
- Only mixes at one speed. Reduces possibility of damaging your solution.
- Sturdy zinc die cast casing

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Subject to technical changes



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- Typical mixing time 15-20 minutes
- Spare foam inserts available, item # L005338
- Compatible with all MS3 basic accessories
- May use with microtiter plate attachment, item # 3426400





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Technical Data

Type of movement	orbital
Shaking stroke [mm]	4.5
Permissible shaking weight (incl. attachment) [kg]	0.5
Motor rating input [W]	10
Motor rating output [W]	8
Permissible ON time [%]	100
Speed fix [rpm]	450
Speed display	none
Operating mode	continuous operation
Dimensions (W x H x D) [mm]	148 x 63 x 205
Weight [kg]	2.9
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	20
DC Voltage [V=]	24
Current consumption [mA]	800

