

TECHNICAL DATA SHEET

## ALab™ MX-F Vortex Mixer

*Fixed speed 3000 rpm • orbital motion, 4 mm orbital diameter • touch operation / continuous • shaded pole motor*



ALab™ MX-F Vortex Mixer

The ALab™ MX-F is a fixed speed vortex mixer with Touch operation and Continuous run types for laboratory sample mixing. Image shown for reference.

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## SECTION I

## Product Overview

The ALab™ MX-F Vortex Mixer is a fixed speed vortex mixer. Vortex mixers are ideal for mixing liquid components in tubes and for the resuspension of cells, using an eccentric mechanism. They are widely used in clinical labs performing virus diagnostic tests and in biological & chemical analysis applications. The MX-F is perfect for mixing high-viscosity materials, such as waxes and slurries, and for mixing battery slurries, paints, pharmaceuticals and more.

The MX-F runs at a fixed 3000 rpm with an orbital mixing motion and a 4 mm orbital diameter, and offers two run types: Touch operation and Continuous. The MX-F uses a shaded pole motor (motor rating input 58 W, motor rating output 10 W). Published electrical specifications are: voltage, frequency, 100–120 V / 200–240 V, 50/60 Hz; power, 60 W. The VT1.1 standard top (default) is for tubes under Ø30 mm and small vessels.

## SECTION II

## Core Advantages

- **Fixed 3000 rpm** — fixed speed with an orbital mixing motion and a 4 mm orbital diameter
- **High-viscosity materials** — perfect for waxes and slurries; also battery slurries, paints, pharmaceuticals and more
- **Shaded pole motor** — motor rating input 58 W, motor rating output 10 W; power 60 W
- **Touch operation / Continuous** — two published run types
- **Clinical & analytical labs** — virus diagnostic tests, biological & chemical analysis applications, resuspension of cells
- **VT1.1 standard top** — fitted by default (Cat. No. 18900034), for tubes under Ø30 mm and small vessels

## SECTION III

## Specifications

### Technical data — MX-F

| Specifications                  |                                       |
|---------------------------------|---------------------------------------|
| Brand                           | ALab™ by ACS Material                 |
| Product Name                    | ALab™ MX-F Vortex Mixer               |
| Model                           | MX-F                                  |
| SKU #                           | ALMXF000                              |
| Product Type                    | Fixed speed vortex mixer              |
| Voltage, Frequency              | 100–120 V / 200–240 V, 50/60 Hz       |
| Power                           | 60 W                                  |
| Mixing motion                   | Orbital                               |
| Orbital diameter                | 4 mm                                  |
| Motor type                      | Shaded pole motor                     |
| Motor rating input              | 58 W                                  |
| Motor rating output             | 10 W                                  |
| Speed range                     | 3000 rpm                              |
| Run type                        | Touch operation / Continuous          |
| Dimension [W × H × D]           | 127 × 130 × 160 mm                    |
| Weight                          | 2.0 kg                                |
| Permissible ambient temperature | 5–40 °C                               |
| Permissible relative humidity   | 80% RH                                |
| Protection class                | IP20                                  |
| Standard Top (Default)          | VT1.1 standard top, Cat. No. 18900034 |

## Accessories — MX-F

| Accessories |          |                                                             |
|-------------|----------|-------------------------------------------------------------|
| Model       | Cat. No. | Description                                                 |
| VT1.1       | 18900034 | Standard top (default), for <Ø30 mm tubes and small vessels |

### Scope of delivery

- **Standard configuration:** one MX-F main unit with one VT1.1 standard top (Cat. No. 18900034).
- **Additional accessories:** specify separately in the quotation.

## SECTION IV

## Applications

For mixing liquid components in tubes and the resuspension of cells in clinical labs performing virus diagnostic tests and in biological & chemical analysis applications, and for mixing high-viscosity materials such as waxes and slurries, battery slurries, paints, pharmaceuticals and more. The VT1.1 standard top (default) takes tubes under Ø30 mm and small vessels.

Product value: a fixed 3000 rpm with an orbital motion and a 4 mm orbital diameter, touch and continuous run types, and a shaded pole motor in a 127 × 130 × 160 mm (W × H × D), 2.0 kg instrument. Confirm the vessel types against your application requirements before ordering.

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