

## Ismatec® Flowmaster® Pump

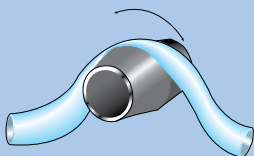
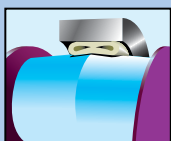


### Stainless steel construction— ideal for sanitary fluid transfer

- Easy cleaning—housing is IP65 rated for washdown
- Change tubing in just seconds—pump stops when the tube-bed is opened
- Meets requirements of the biotech, food and beverage, and pharmaceutical industries
- Three convex stainless steel rollers extend tubing life and are gentle on fluid
- Automatic tubing retention holds tubing in place

Single-channel pump head accommodates tubing with 6.4 to 15.9 mm ID and 3.2 mm wall thickness. Pump accepts an analog input signal for remote speed control. Features multiple overload protection and an extensive analog interface with status information for process control systems.

*flowmaster®*



Convex rollers extend tubing life and are gentle on fluid.

## Easy Tube Exchange in 5 Seconds!

- Insert the tube.
- Press down the lever, which automatically corrects pressure setting of the tube.
- Start the pump!



## Specifications

**Motor type:** DC motor

**Speed range:** 5 to 500 rpm

**Speed setting:** digitally adjustable in steps of 0.1 rpm via membrane keypad and LED display

**Interfaces:** PLC compatible with status information for process control

Analog input: speed control (0–5 V, 0–10 V, 0–20 mA, 4–20 mA)

Analog output: speed monitoring (0–5 V, 0–10 V)

Digital input: start/stop, rotation direction (5, 12, 24 V)

Digital output (relays): status outputs (error/ok, busy)

### Settings menu:

Entry of basic settings:

- configuration of analog interface
- foot switch control
- display of rotation speed (rpm or %)
- service life of tubing
- timer mode of operation

**Protection rating:** IP65

**Size:** 500 x 220 x 262 mm

**Weight:** 26 kg

**Power consumption:** 500 W

## Flow Ranges (mL/min)

| Tube ID (mm) | Wall thickness (mm) | FMT 3000      |
|--------------|---------------------|---------------|
| 6.4          | 3.2                 | 37 to 3700    |
| 9.5          | 3.2                 | 80 to 8000    |
| 12.7         | 3.2                 | 100 to 10,000 |
| 15.9         | 3.2                 | 130 to 13,000 |



Stainless steel pump head disassembles for easy cleaning.



## Ordering Information

ISO9001:2008  
CERTIFIED SUPPLIER



| Model   | Flow range          | No. of channels | No. of rollers | Tubing accepted     | Power (VAC, Hz) | Catalog number |
|---------|---------------------|-----------------|----------------|---------------------|-----------------|----------------|
| FMT 300 | 37 to 13,000 mL/min | 1               | 3              | Ismatec pump tubing | 115, 60         | ISM1022A       |
|         |                     |                 |                |                     | 230, 50         | ISM1020A       |

### Accessories

IS10279 Foot switch for start/stop, 6-ft (1.8-m) cable