

Semiconductors

Chemical flow rate measurement

Micro Flow Rate Liquid Flow Meter suitable for measuring chemicals for low-concentration cleaning fluids

 Product name
 Process sensor

 Micro Flow Rate Liquid Flow Meter
 Process and equipment name

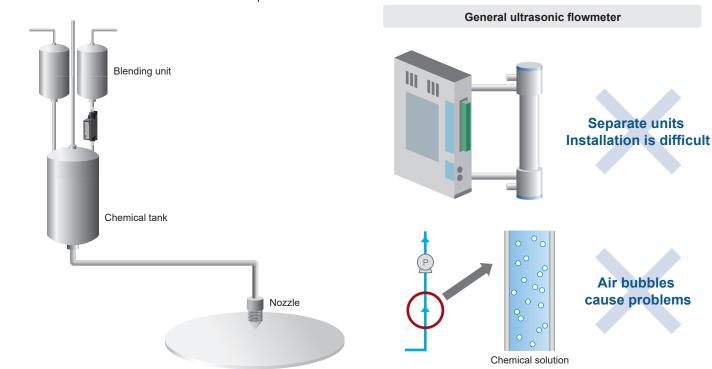
 Model No.
 F7M

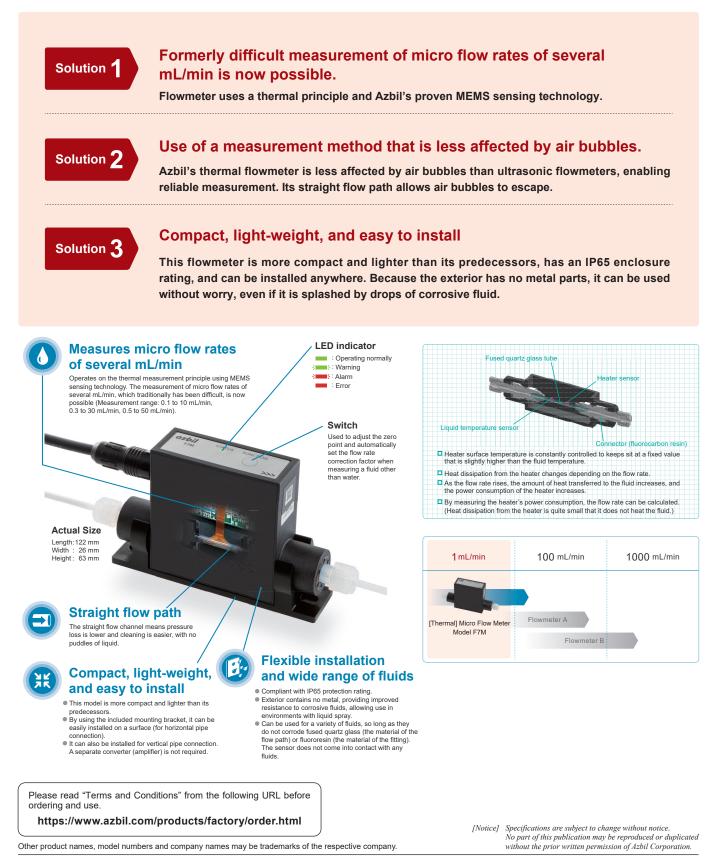
Current Situation

- Since the concentration of chemicals in cleaning fluids is lower than it used to be, micro flow rates must now be measured.
- Many cleaning fluids tend to have air bubbles. (Hydrogen peroxide bubbles prevent measurement with high repeatability.)
- Conventional flowmeters are difficult to install, partly because the detector and converter are separate.

Current Issues

- No flowmeter can measure micro flow rates of several mL/min with high repeatability.
- Ultrasonic flowmeters are affected by air bubbles, so their measurements are not reliable.
- There are no micro flowmeters that are easy to install.





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Yamatake Corporation changed its name to Azbil Corporation on April 1, 2012.

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