FC-200 and FC-100

Flow Controllers for Ultrapure Water

Precise and continuous control of sampler flow for water applications

Without measurement there is no control

Complete flow control through a liquid particle counter is critical to ensure accurate and actionable data. Particle Measuring Systems offers the new FC-200 and FC-100 series of pressure balancing flow controllers as the perfect complement to our high precision liquid particle counters.

The FC-100 automatically adjusts to pressure changes within the system to provide precise and stable flow control without intervention. Available with a variety of flowmeters, the FC-100 is designed to match the particle counter's flow rate.

The FC-200 model adds an additional flowmeter that provides a high flow rate flush to quickly clear the fluid lines and particle counter of any trapped air or particles without any change to plumbing. This flush gets you back to collecting accurate data as soon as possible after installation and is recommended for the Ultra DI® 20.

BENEFITS

- Automatically adjusts to system pressure changes
- Clears anomalies from fluid lines with the flush flowmeter
- Extremely accurate measurements
- Seamless integration into water systems

FEATURES

- Flush flowmeter with the FC-200
- Customizable flow ranges available
- Compatible with liquids 20 - 100 psi and 0 - 90 °C

APPLICATIONS

- Deionized water sampling systems
- Parts cleanliness testing
- Laboratory water sampling
- Sampling for process and filter monitoring

PARTICLE MEASURING SYSTEMS®
a spectris company

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Specifications

Pressure range	20 - 100 psi
Temperature range (fluid)	0 - 90 °C (32 - 194 °F)
Weight	2.3 kg (5 lbs)
Dimensions (h x w x d)	29 x 18 x 13 cm (11.5 x 7 x 5 in)

MATERIALS

Flow controller	Moore model 63SD
Body	316 SS
Diaphragm	Kynar® (PVDF)
Differential spring	316 SS
Valve plunger seat	316 SS
Plunger spring	316 SS
Fittings	PFA Nylon / 316 SS / Nylon

FLOWMETER

Wetted internal parts	316 SS
Seals	Viton®
Metering tube	Borosilicate glass
Piping connections	PFA Nylon / 316 SS / Nylon
Accuracy	10% of full scale flow rate with water at 21.1°C (70 °F)

SOLUTIONS FOR YOUR INDUSTRY

Scan to learn more about our products!

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