

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

FC-200 and FC-100

Flow Controllers for Ultrapure Water

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!

HEADQUARTERS

5475 Airport Blvd
Boulder, Colorado 80301 USA
T: +1 303 443 7100, +1 800 238 1801

Instrument Service & Support
T: +1 800 557 6363

Customer Response Center
T: +1 877 475 3317
E: info@pmeasuring.com

www.pmeasuring.com
info@pmeasuring.com



GLOBAL OFFICES

AUSTRIA
T: +43 512 390 500
E: pmsaustria@pmeasuring.com

BENELUX
T: +32 10 23 71 56
E: pmsbelgium@pmeasuring.com

BRAZIL
T: +55 11 5188 8227
E: pmsbrazil@pmeasuring.com

CHINA
T: +86 21 6113 3600
E: pmschina@pmeasuring.com

FRANCE
T: 33(0)1 60 10 32 96
E: pmsfrance@pmeasuring.com

GERMANY
T: +49 6151 6671 632
E: pmsgermany@pmeasuring.com

ITALY
T: +39 06 9053 0130
E: pmsrl@pmeasuring.com

JAPAN
T: +81 3 5298 8175
E: pmsjapan@pmeasuring.com

KOREA
T: +82 31 286 5790
E: pmskorea@pmeasuring.com

MEXICO
T: +52 55 2271 5106
E: pmsmexico@pmeasuring.com

NORDIC
T: +45 707 028 55
E: pmsnordic@pmeasuring.com

PUERTO RICO
T: +1 787 718 9096
E: pmspuertorico@pmeasuring.com

SINGAPORE
T: +65 6496 0330
E: pmsingapore@pmeasuring.com

SWITZERLAND
T: +41 71 987 01 01
E: pmsswitzerland@pmeasuring.com

TAIWAN
T: 886-3-5525300 Ext: 301
E: pmstaiwan@pmeasuring.com