



Precision Flow Regulator Only

General Description

Delta-Q is a durable and economical precision flow regulator module that can be used in conjunction with other **SMARTFLOW** components such as:

- ◆ Threaded End Caps
- ◆ IceCube™ Flowmeters
- ◆ Temperature and Pressure Gauges
- ◆ Dr. Eddy® Flowmeter/Turbulent Flow Indicators
- ◆ Tracer® Electronic Flowmeters
- ◆ Cooling Water Manifolds

The Delta-Q Regulator allows full adjustability of flow volume from unrestricted flow to complete shut off using the manual fi control knob.

The modular design allows users to customize models meeting Scientific CoolinSM requirements for each application. The glass-filled nylon body is lightweight and durable. Internal stainless steel components are resistant to corrosion.

See page 16 for custom assembly specification onto manifolds



FP3-F3-Q

Model Number

F3 - A - Q

Brass End Caps

1/4"NPT	F2
1/4"BSPP	F2B
3/8"NPT	F3
3/8"BSPP	F3B
1/2"NPT	F4
1/2"BSPP	F4B

Nylon End Caps

1/4"NPT	FP2
1/4"BSPP	FP2B
3/8"NPT	FP3
3/8"BSPP	FP3B
1/2"NPT	FP4
1/2"BSPP	FP4B

Accessories

A	Flowmeter only
B	Thermometer
C1	Thermometer and 30 psi Pressure Gauge
C2	Thermometer and 60 psi Pressure Gauge
C3	Thermometer and 100 psi Pressure Gauge
CL	Thermometer and Liquid-Filled Pressure Gauge (100 psi)
F1	30 psi Pressure Gauge
F2	60 psi Pressure Gauge
F3	100 psi Pressure Gauge
FL	Liquid-Filled Pressure Gauge (100 psi)

Wetted Parts and Materials

End Caps.....	Brass or Glass-Filled Nylon
Body	Glass-Filled Nylon
O-Rings	EPDM
Regulator Stem.....	Stainless Steel
Cap Screws	Stainless Steel
Optional Gauge Block.....	Brass
Optional Quick-Connect Fittings.....	Brass

Specifications

Operating Temperature max.....	210°F (99°C)
Operating Pressure max.....	100 psi (6.9 bar)
Dial Thermometer.....	0 to 250°F (-20° to 120°C)
	±2% accuracy (full scale)
Pressure Gauge	0 to 100 psi (0 to 700Kpa)
	±3% accuracy (full scale)

For customized assembly onto Smartflow Manifolds, see page 16 or visit www.manifoldbuilder.com

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