

SMARTFLOW[®]

Low Flow Indicator/Regulator with Brass or Nylon Ends

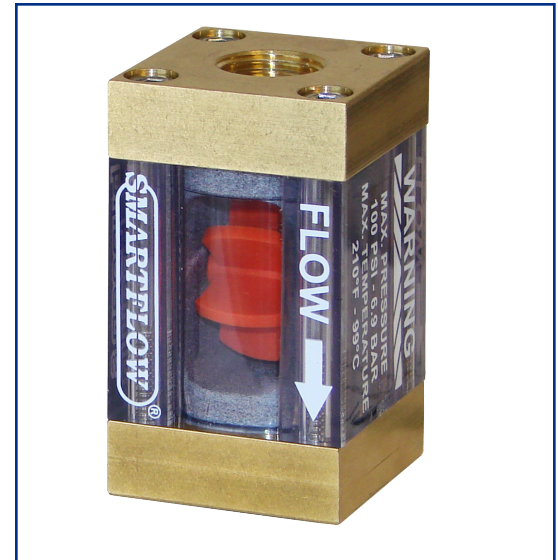
Smartflow Low Flow Indicator is an in-line device using a high-visibility impeller to show water movement inside a cooling line with flow between 0.3 and 4 Liters per Minute.

Low Flow Indicators are ideal for use in critical injection mold cooling circuits using bubblers or baffles where flow is restricted and effective cooling is essential.

The polysulfone viewing window is compatible with common cooling liquids. Wetted parts are made from corrosion-resistant materials in a proven design platform.

Optional temperature and pressure gauges can be added as needed for increased functionality and suitability to process requirements.

Delta-Q Flow Regulator may also be added when additional flow control is desirable. See page 2.



Model LFI3 - A - 40

Brass End Caps

1/4"NPT	LF12
1/4"BSPP	LF12B
3/8"NPT	LF13
3/8"BSPP	LF13B
1/2"NPT	LF14
1/2"BSPP	LF14B

Nylon End Caps

1/4"NPT	LFIP2
1/4"BSPP	LFIP2B
3/8"NPT	LFIP3
3/8"BSPP	LFIP3B
1/2"NPT	LFIP4
1/2"BSPP	LFIP4B

Accessories

A	Indicator only (no accessories)
B	Thermometer
C1	Thermometer and 30psi Press. Ga.
C2	Thermometer and 60psi Press. Ga.
C3	Thermometer and 100psi Press. Ga.
CL	Thermometer and Liquid-Filled Press. Ga. (100psi)
D1	Thermometer, 30psi Press. Ga., Quick Change Socket and Plug*
D2	Thermometer, 60psi Press. Ga., Quick Change Socket and Plug*
D3	Thermometer, 100psi Press. Ga., Quick Change Socket and Plug*
DL	Thermometer, Liquid-Filled Press. Ga. (100psi), Quick Change Socket and Plug*
E	Thermometer, Quick Change Socket and Plug*
F1	30psi Press. Ga.
F2	60psi Press. Ga.
F3	100psi Press. Ga.
FL	Liquid-Filled Press. Ga. (100psi)

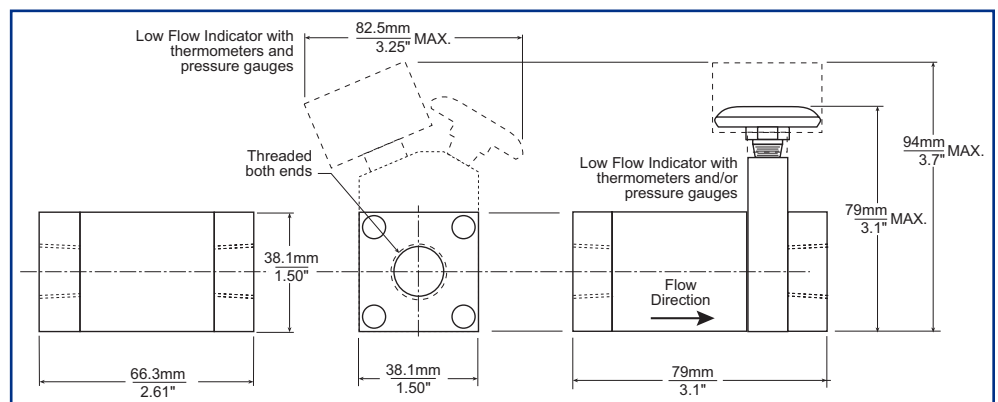
* NPT only

Wetted Parts and Materials

End Caps.....	Brass or Glass-Filled Nylon
Body.....	Polysulfone
Rotor.....	Nylon
O-Rings.....	EPDM
Cap Screws.....	Stainless Steel
Optional Gauge Block.....	Brass
Optional Quick Change Socket and Plug (NPT only).....	Brass

Specifications

Flow Range.....	0.3 to 4LPM (0.08 to 1GPM)
Operating Temperature max.....	99°C (210°F)
Operating Pressure max.....	6.9bar (100psi)
Optional Thermometer.....	-20° to 120°C (0 to 250°F)
	±2% accuracy (full scale)
Optional Pressure Gauge.....	0 to 700Kpa (0 to 100psi)
	±3% accuracy (full scale)



Design and specifications are subject to change without notice.



Precision Flow Regulator with Low Flow Indicator

Delta-Q Flow Precision Flow Regulator with Low Flow Indicator is the ultimate in low flow process control cooling indication.

The combination regulator with indicator allows for total flow shut off through wide open processing position for 0.3 to 4LPM indication. Motion is observed in the high-visibility rotor to show the presence of flowing cooling media. The unit is designed to be used with water or glycol mix.

Low Flow Indicators are ideal for use in critical injection mold cooling circuits using bubblers or baffles where flow is restricted and effective cooling is essential.

Accessories may be added to the indicator/regulator for increased functionality in a single installed unit.



[Click to
watch flow
balancing
and
optimization
animation](#)

Model LFI3 - A - 40 - Q

Brass End Caps

1/4"NPT	LFI2
1/4"BSPP	LFI2B
3/8"NPT	LFI3
3/8"BSPP	LFI3B
1/2"NPT	LFI4
1/2"BSPP	LFI4B

Nylon End Caps

1/4"NPT	LFIP2
1/4"BSPP	LFIP2B
3/8"NPT	LFIP3
3/8"BSPP	LFIP3B
1/2"NPT	LFIP4
1/2"BSPP	LFIP4B

Accessories

A	Indicator only (no accessories)
B	Thermometer
C1	Thermometer and 30psi Press. Ga.
C2	Thermometer and 60psi Press. Ga.
C3	Thermometer and 100psi Press. Ga.
CL	Thermometer and Liquid-Filled Press. Ga. (100psi)
D1	Thermometer, 30psi Press. Ga., Quick Change Socket and Plug*
D2	Thermometer, 60psi Press. Ga., Quick Change Socket and Plug*
D3	Thermometer, 100psi Press. Ga., Quick Change Socket and Plug*
DL	Thermometer, Liquid-Filled Press. Ga. (100psi), Quick Change Socket and Plug*
E	Thermometer, Quick Change Socket and Plug*
F1	30psi Press. Ga.
F2	60psi Press. Ga.
F3	100psi Press. Ga.
FL	Liquid-Filled Press. Ga. (100psi)

* NPT only

Wetted Parts and Materials

End Caps.....	Brass or Glass-Filled Nylon
Flow Body.....	Polysulfone
Regulator Body.....	Glass-Filled Nylon
Rotor.....	Glass-Filled Nylon
Stem and Valve Seat.....	Stainless Steel
O-Rings	EPDM
Optional Gauge Block.....	Brass
Optional Quick Change Socket and Plug (NPT only)	Brass

Specifications

Flow Range	0.3 to 4LPM (0.08 to 1GPM)
Operating Temperature max.....	99°C (210°F)
Operating Pressure max.....	6.9bar (100psi)
Dial Thermometer.....	-20° to 120°C (0 to 250°F)
	±2% accuracy (full scale)
Pressure Gauge	0 to 700Kpa (0 to 100psi)
	±3% accuracy (full scale)

