

SMARTFLOW® Brass Flow Regulators



General Description

Smartflow® flow regulators provide a unique, leak-free, single-point manual flow control. This regulator incorporates the proven mechanical flowmeter and integral needle valve in a compact design. Very few moving parts improve reliability and leak-free operation.

Used singly or in combination with a water manifold, the flow regulator allows manual control of individual cooling water lines.

Features and Benefits

- ◆ **Compact size** works well in restricted-space locations.
- ◆ **Rugged construction** provides years of dependable service.
- ◆ **210°F (99°C) Temperature Rating** allows installation into a wide range of applications.
- ◆ **Optional Temperature Gauge** displays additional process information.
- ◆ **No Mounting Restrictions** ease installation in any position without extra brackets or hardware.

Model Number

FR3 - B - 25

Inlet Size		Flow Range
1/4"NPT(F)	FR2	15 0.2 - 1.5 gpm (gallons per minute)
1/4"BSPP(F)	FR2B	25 0.5 - 2.5 gpm
3/8"NPT(F)	FR3	80 1 - 8.0 gpm
3/8"BSPP(F)	FR3B	100 2 - 10 lpm (liters per min.)
1/2"NPT(F)	FR4	200 5 - 20 lpm
1/2"BSPP(F)	FR4B	300 4 - 30 lpm

Accessories

- A** Flow regulator only
- B** Thermometer
- E** Thermometer and Quick Change Socket and Plug (NPT only)

Wetted Parts and Materials

Flow Out Thread Size3/8"NPT or BSPP
 End Caps & Regulator BodyBrass
 Valve Stem & SeatBrass
 Flow BodyPolysulfone
 VaneNylon
 SpringStainless Steel
 O-RingsEPDM
 Cap ScrewsStainless Steel
 Optional Quick-Connect FittingsBrass

Specifications

Flow Accuracy±10% full scale
 Operating Temperature max.210°F(99°C)
 Operating Pressure max.100 psi (6.9 bar)
 Dial Thermometer0° to 250°F (-20° to 120°C)
 ±2% accuracy (full scale)

