



### 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.
- **240°F (115°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

**FR 3 - B - 25**

| Inlet Size   |    | Flow Rate (maximum)         |
|--------------|----|-----------------------------|
| 1/4" NPT(F)  | 2  | 1.5 gpm (gallons per min.)  |
| 1/4" BSPP(F) | 2B | 2.5 gpm                     |
| 3/8" NPT(F)  | 3  | 8.0 gpm                     |
| 3/8" BSPP(F) | 3B | 100 lpm (liters per minute) |
| 1/2" NPT(F)  | 4  | 30 lpm                      |
| 1/2" BSPP(F) | 4B |                             |

### Accessories

- A** Flow regulator only
- B** Thermometer
- E** Thermometer and quick change socket and plug

### Wetted Parts and Materials

|                                 |                    |
|---------------------------------|--------------------|
| End Caps & Regulator Body       | Brass              |
| Flow Body                       | Polysulfone        |
| Vane                            | Glass-Filled Nylon |
| Spring                          | Stainless Steel    |
| O-Rings                         | EPDM               |
| Cap Screws                      | Stainless Steel    |
| Optional Quick-Connect Fittings | Brass              |

### Specifications

|                       |   |
|-----------------------|---|
| Flow Accuracy         | ±10% full scale   |
| Operating Temperature | 240°F max.<br>(115°C max.)                                  |
| Operating Pressure    | 150 psi max.<br>(10.3 bar max.)                             |
| Dial Thermometer      | 0° to 250°F<br>(-20° to 120°C)<br>±2% accuracy (full scale) |

### Dimensions

