## FRS02 Filter regulator (Aluminium casing) FRS03 Filter regulator (Stainless Steel casing)



Control of instrument supply air pressure, and removal by filtration of dust particles and water content. FRS02 and FRS03 are dedicated for direct mounting to valve positioners SRI990, SRD991, and SRD960.

#### **FEATURES**

- Minimal effect of upstream pressure fluctuation
- · Low inherent air consumption
- Gauges 3 scales (bar / psi / kPa)
- · Bowl with manual drain
- 1/4 NPT connection for in and output air
- Aluminium housing for FRS02
- Stainless Steel housing (316) for FRS03

- Air flow at max deviation 18 Nm<sup>3</sup>/h
- Range of setting 0 to 8 bar
- Max inlet pressure 10 bar / 150 psi
- Temperature Range –30°C to 70°C
- Explosion protection II 2 GD c IIC T6 ATEX - constructive design CU TR Explosion protection



**P** FRS02 - FRS03 PSS EVE0302 A-(en)

#### **TECHNICAL DATA**

Pneum. connections. . . . . . internal thread 1/4 - 18 NPT

#### Materials

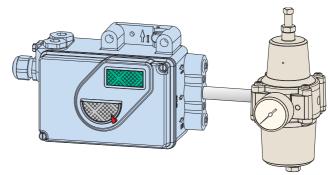
- Housing: Diecast Aluminium (FRS02), SS 316 (FRS03)
- Filter: Sintered bronze (FRS02), SS (FRS03), filter grade 30 μm
- Gauge: housing: SS; measuring system: brass

Weight......FRS02: 0.70 kg (1.54 lb) FRS03: 1.62 kg (3.57 lb)

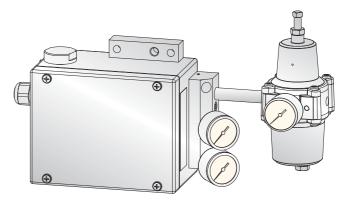
- Measured at 7 bar upstream pressure and 1.4 bar output pressure, based on standard reference conditions.
- \*\* The supply air must be dry for operation at temperatures below 0 °C (observe dew point)

#### **APPLICATION**

Specially dedicated for direct mounting to valve positioners SRI990, SRD991, and SRD960.

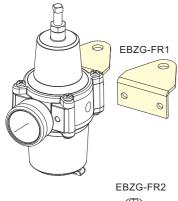


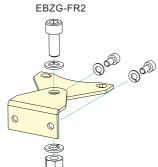
FRS02 direct mounted to SRD991 or SRI990, via Tube connector VG-91



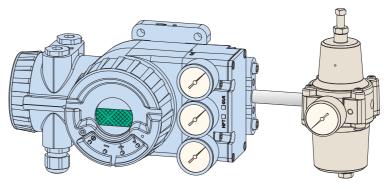
FRS03 (SS) direct mounted to SRD991 or SRI990 (in SS housing)

## **Accessory: Mounting bracket**

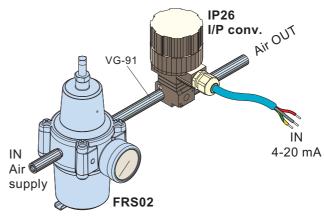




Mounting via Mounting Bracket



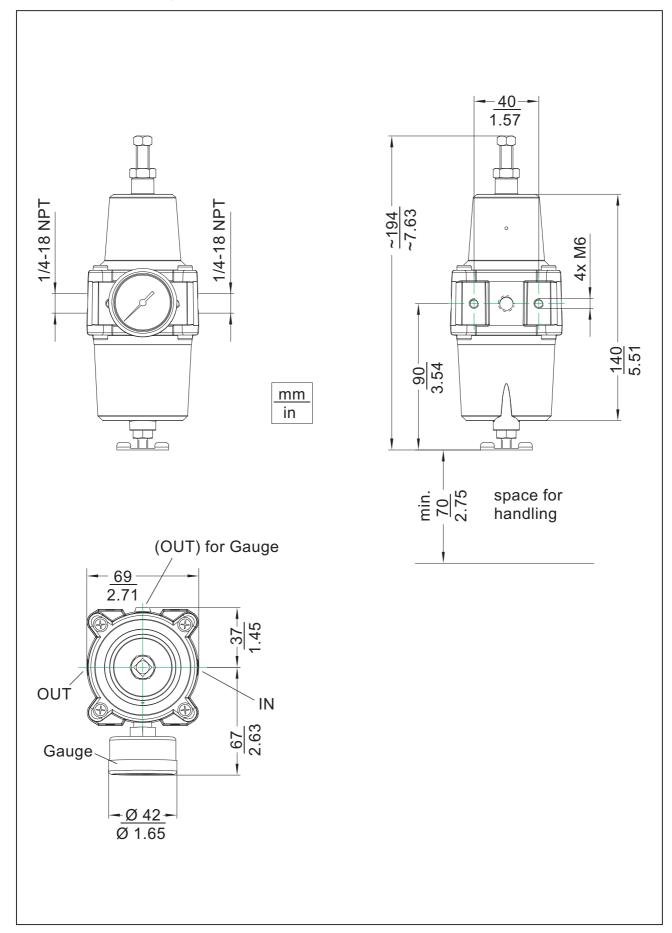
FRS02 direct mounted to SRD960



FRS02 direct mounted to IP26

# FRS02 - FRS03

### **DIMENSIONS FRS02, FRS03**



FRS02 - FRS03 PSS EVE0302 A-(en)

#### **MODEL CODES**

Filter Regulator (Aluminium casing)	
Tube, 1/4 NPT both sides, material 1.4404, for direct mounting to filter Regulator	
Mounting Brackets  Mounting Bracket for FRS02 or FRS03	

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