



RFL-F-Series

High Precision Flow Controllers

The RFL-F-Series are high precision, high performance flow controllers; well suited for applications subjected to variations and fluctuations in downstream pressures, e.g. oilfield chemical injection.

Features

- Patented, unique control concept
- Flow independent of upstream and downstream pressure variations
- Wide flow range; turn down ratio 30:1
- Assessed for compliance with ATEX Directive 2014/34/EU, Marking: II 2 G Ex h IIC T6 Gb

Applications

- Oilfield chemical injection systems
- All applications requiring precise flow control despite pressure variation downstream

Description

The RFL-F-series of high-pressure flow controllers covers a wide range of flow rates, and the patented flow control principle ensures a constant flow rate independent of upstream or downstream pressure variations.

The RFL-F series have low maintenance and life-cycle cost and are ideal for applications with limited or no downstream pressure control, e.g. for chemical injection.

As an option RFL-F-series can be delivered with actuator for remote operation.

Specifications

Model designation	Operation Control Manually or actuated	Material housing Duplex	Max inlet pressure [barg] (psi)	Gasket	Inlet/Outlet ports (Female)	Flow range water @ 20° C [l/hour]	Min. differential pressure [bar]	Max Cv
RFL-F13	M	D	J= 345 (5k)	F (FKM)	N2 (3/8 NPT)	0.2 – 60	8	0,02
RFL-F14	M	D	K= 690 (10k)	F (FKM)	N3 (1/2 NPT)	10 – 400	8	0,15
RFL-F18	M	D	H=517 (7.5k)	F (FKM)	N4 (3/4 NPT)	100 – 2800	10	0,9

Dimension and Weight

Model	Ø x L(mm)	Weight
RFL-F13	Ø80 x 207	6,3 kg
RFL-F14	Ø100 X 215	9,5 kg
RFL-F18	Ø120 x 320	21 kg