



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
- Manually operated or remotely controlled with electrical torque actuator, SXX-A01
- Wide flow range; turn down ratio 30:1
- ATEX certification: II 2 G c IIC T6

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.

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