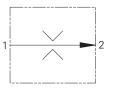
FR5-8 - Flow Regulator

Fixed pressure compensated 10 L/min (2.5 USgpm) • 280 bar (4000 psi)



Operation

This valve maintains a constant flow from port 1 to port 2 based on 5.5 bar(80 psid) regardless of pressure changes downstream on port 2. Reverse flow from port 2 to port 1 is at the value of the fixed orifice and is nonpressure compensated.

Features

Hardened and ground and honed working components. Cartridge construction for maximum mounting flexibility.

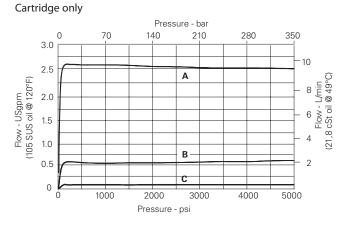
Sectional View

Performance Data

Ratings and Specifications		
Performance data is typical with fluid at 21	,8 cSt (105 SUS) and 49°C (120°F)	
Typical application pressure (all ports)	350 bar (5000 psi) steel housing 210 bar (3000 psi) aluminum housing	
Cartridge fatigue pressure (infinite life)		280 bar (4000 psi)
Rated flow		10 L/min (2.5 USgpm)
Temperature range		–40° to 120°C (–40° to 248°F)
Flow regulation accuracy Factory set maximum flow rate accuracy under	0,4–1,9 L/min (0.1–0.49 USgpm) 0,4–1,9 L/min (0.1–0.49 USgpm) 1,9 – 5,7 L/min (0.5–1.49 USgpm) 5,7–10 L/min (1.5–2.5 USgpm) er standard test conditions and within th	20% @ 210 bar (3000 psi) 40% @ 350 bar (5000 psi) 15% 10% e above ranges
Cavity		C-8-2
Fluids	All general purpose hydraulic fluids such as MIL-H-5606, SAE 10, SAE 20 etc.	
Filtration	Cleanliness code 18/16/13	
Standard housing material	Aluminum or steel	
Weight cartridge only	0,05 kg (0.12 lbs)	
Seal kit	02–165875 (Buna-N) 02–165877 (Viton")	

Viton is a registered trademark of E.I. DuPont

Typical Flow Regulation



A - 9,5 L/min (2.5 USgpm) B - 1,9 L/min (0.5 USgpm)

C - 0,38 L/min (0.1 USgpm)

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.



Description

valve.

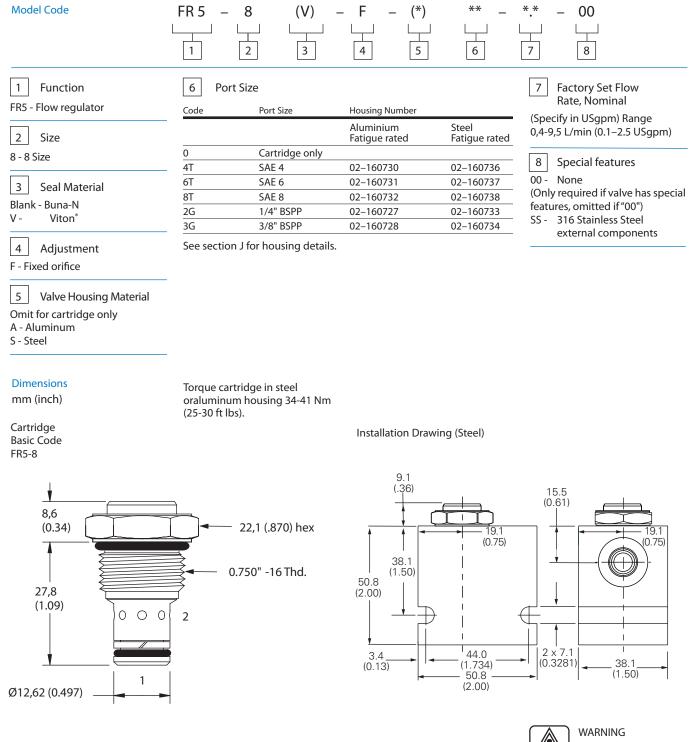
This is a fixed orifice, pressure compensated, restrictive flow

regulator screw-in cartridge

FR5-8 - Flow Regulator

Fixed pressure compensated

10 L/min (2.5 USgpm) • 280 bar (4000 psi)



Aluminum housings can be used for pressures up to 210 bar (3000 psi). Steel housings must be used for operating pressures above 210 bar (3000 psi).





Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.