

Flow Control Valves

FR2-10

Flow Control, Partially Adjustable, Pressure Compensated, Restrictive Type

210 bar [3000 psi] • 38 l/min [10 US gpm]



DESCRIPTION AND OPERATION

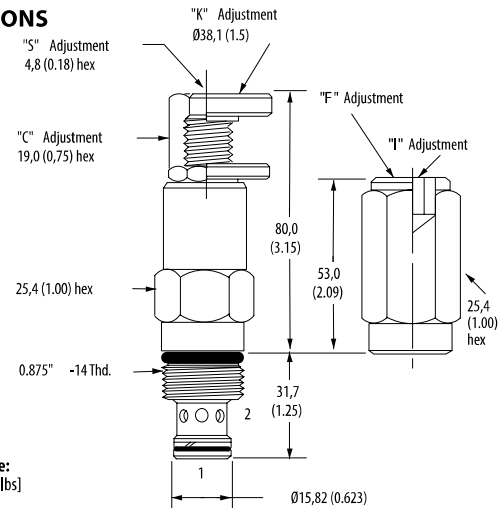
This is a partially adjustable, restrictive type, pressure compensated flow control valve, where the flow from port 2 will remain constant regardless of the pressure difference across the valve. Flow enters at port 1 and passes across a fixed orifice in the spool, which creates a pressure drop. This causes the spool to move back against the spring, which then restricts the outlet flow. The flow adjustment is from the factory set maximum flow rate down to 50% of that factory set flow rate.

SCHEMATIC



DIMENSIONS

mm [in]

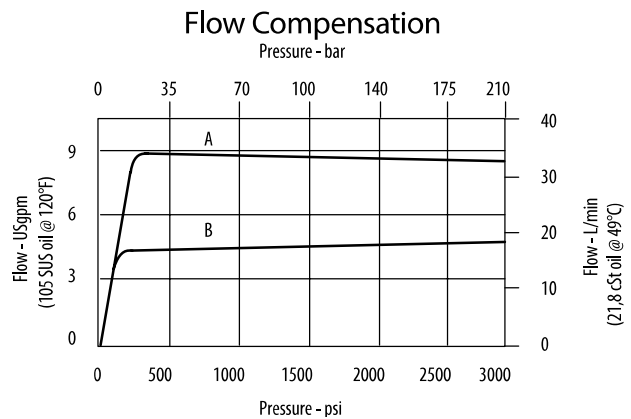


Installation Torque:
47-54 Nm [35-40 ft. lbs]

PERFORMANCE DATA

Rated pressure	210 bar [3000 psi]
Rated flow	38 l/min [10 US gpm]
Flow range	0.4-38 l/min [0.1-10 US gpm]
Flow accuracy	0.4-1.9 l/min [0.1-0.49 US gpm] ±20% 1.9-7.5 l/min [0.5-1.99 US gpm] ±15% 7.6-37.8 l/min [2.0-10 US gpm] ±10%
Weight	0.22 kg [0.48 lb]
Cavity	SDC10-2

PERFORMANCE CURVES



MODEL CODE

FR 2 - 10 - V - C - 0 - 5.0

Seal Option

Code	Seal Kit
Omit-Buna - N	565803
V-Viton	566086

Adjustment Option

C - Tamper Resistant
F - Fixed
I - Internal
K - Knob
S - External

Flow Setting

Code - Flow in US gpm
Specify in 0.1 gpm increments within flow range
Example

Code	l/min	[US gpm]
5.0	18.9	5.0

Housing

Code	Ports	Aluminium Standard duty	Aluminium Heavy duty
0	No housing		
3B	3/8" BSP	02-175462	-
6T	#6 SAE	566151	-
2G	1/4" BSP	-	876702
3G	3/8" BSP	-	876703
6H	#6 SAE	-	876700
8H	#8 SAE	-	876701

* Aluminium bodies are to be used for pressures less than 210 bar [3000 psi].
* Additional housings available