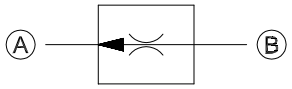
Flow Control Valves Technical Information
In-line
SC 10

OPERATION

This is an in-line restrictive type flow control valve.

Schematic



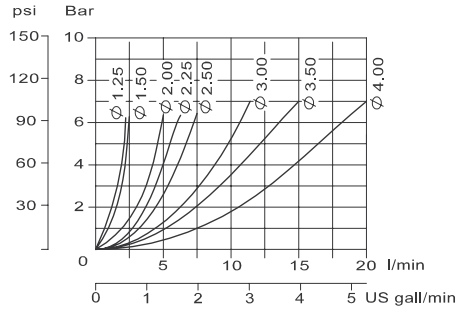
SPECIFICATIONS

Specifications

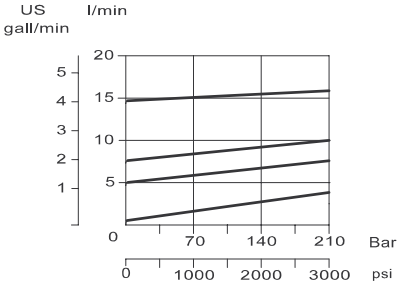
Pressure rating	210 bar [3000 psi]
Max regulated flow	16 l/min [4.2 US gal/min]
Cavity	Consult factory

Theoretical performance

Pressure drop from A⟹B according to orifice diameter
26 cSt [121 SUS] hyd.oil at 50°C [122 °F]

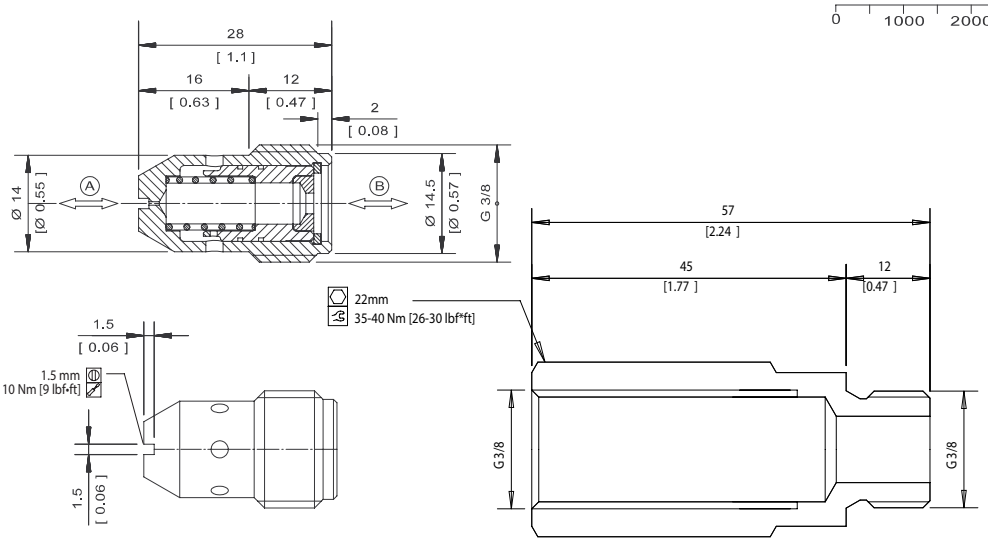


Variation in controlled flow from B⟹A according to pressure
26 cSt [121 SUS] hyd.oil at 50°C [122 °F]



DIMENSIONS

mm in



ORDERING INFORMATION

SC10 - 1.25 - G - 00

- 1.25 = Orifice diameter mm
- G = Flow at 100 bar [1450 psi] l/min [US gal/min]
- 00 = Cartridge only; L = 3/8 BSP

Orifice diameter mm		Flow at 100 bar [1450 psi] l/min [US gal/min]
1.25	=	2.0[0.53]
1.50	=	3.0[0.79]
2.00	=	4.0[1.06]
2.25	=	5.0[1.32]
2.50	=	6.0[1.59]
3.00	=	9.0[2.38]
3.50	=	11.0[2.91]
4.00	=	16.0[4.23]