



Flow Control Valves Technical Information

Velocity Fuse

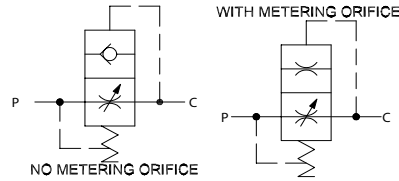
BC 10

OPERATION

This is an in-line flow limiter that closes and then provides non-compensated restricted flow when the specified flow setting is exceeded. The valve provides free reverse flow when operated in the opposite direction.

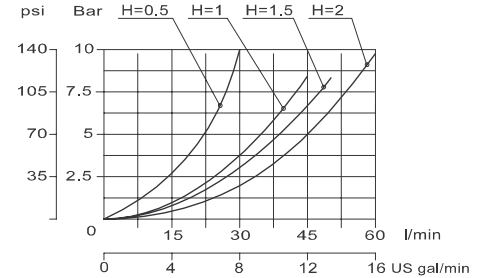
SPECIFICATIONS

Schematic



Theoretical performance

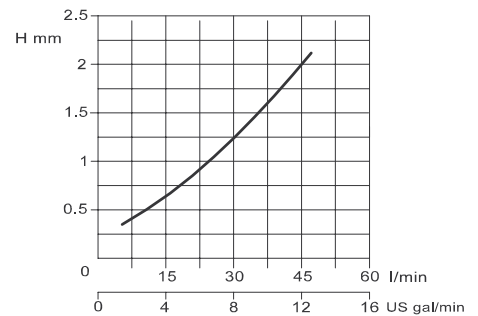
Pressure drop from P \Rightarrow C according to Adjustment H
26 cSt [121 SUS] hyd.oil at 50°C [122 °F]



Specifications

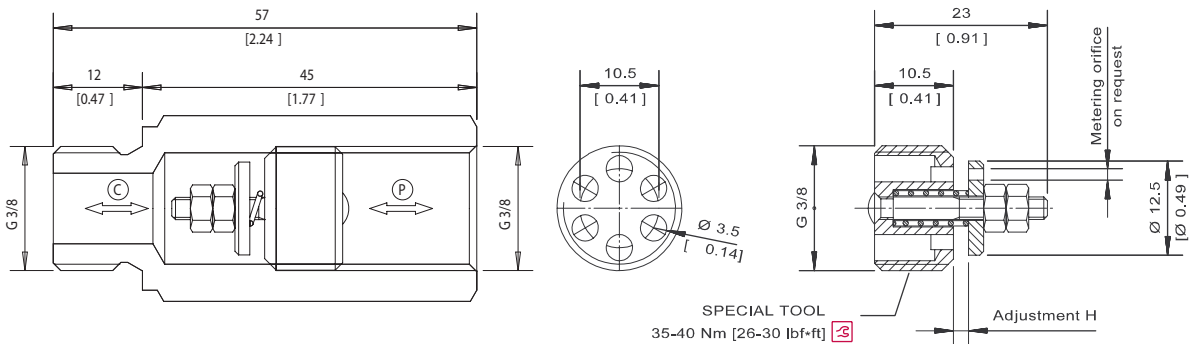
Pressure rating	210 bar [3000 psi]
Rated Free Flow at 7 bar [100 psi]	60 l/min [16 US gal/min]
Cavity	Consult factory

Values for adjustment H are guideline only, being conditioned by a variety of factors (oil temperature and viscosity, volume and flexibility of circuits).



DIMENSIONS

mm [in]



ORDERING INFORMATION

BC 10 - 1.0 - G - 00 - S1.5

Adjustment H	00 = No factory adjustment 0.25 = 0.25 mm [in] 0.5 = 0.5 mm [in] 1.0 = 1.0 mm [in] 1.5 = 1.5 mm [in] 2.0 = 2.0 mm [in]
Metering orifice	Omit = No orifice S0.5 = 0.5 mm [in] S0.7 = 0.7 mm [in] S1.0 = 1.0 mm [in] S1.5 = 1.5 mm [in] S2.0 = 2.0 mm [in]
Coupling	00 = Cartridge only L = 3/8 BSP