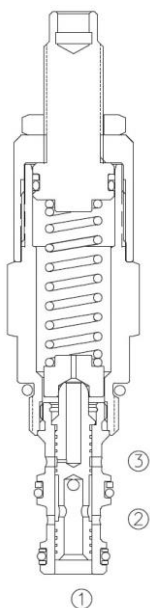




Overview



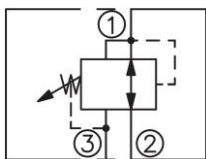
Description

The PR-08-32 is a cartridge style direct acting spool – type pressure reducing /relieving valve.

Operation

In its steady state, the valve allows flow to pass bi-directionally from (2) to (1), with the spring chamber constantly drained at (3). On attainment of a pre-determined pressure at (1), the cartridge shifts to restrict input flow at (2), thereby regulating pressure at (1). In this mode, the valve will also relieve (1) to (3) at approximately 10 bar over the reducing setting.

Symbol

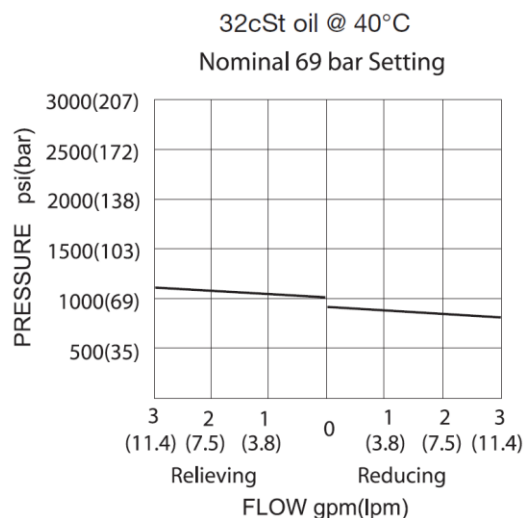


Ratings

Operating Pressure	207 Bar
Flow Rating	Refer Pressure drop VS Flow Graph
Internal Leakage	From (2) to (3) 82 cc/min. max. at ▲ P 207 bar
Standard Spring Ranges	02=3.4 to 20.7 bar, Preset : 10.3 bar 04=6.9 to 41.4 bar, Preset : 20.7 bar 08=20.7 to 82.8 bar, Preset : 41.4 bar 15=34.5 to 152 bar, Preset : 76 bar
Temperature	-40° F to +250° F (-40° C to +120° C) -26° C to 204° C - with fluorocarbon Seals (Viton)
Fluids	Mineral Based Fluids with viscosities of 7.4 to 420 cSt
Cavity	C-08-3, Refer Next Page
Body Material	6061 – T6 aluminium alloy rated to 207 bar, steel & Ductile iron rated to 350 bar

Performance

PRESSURE DROP VS FLOW

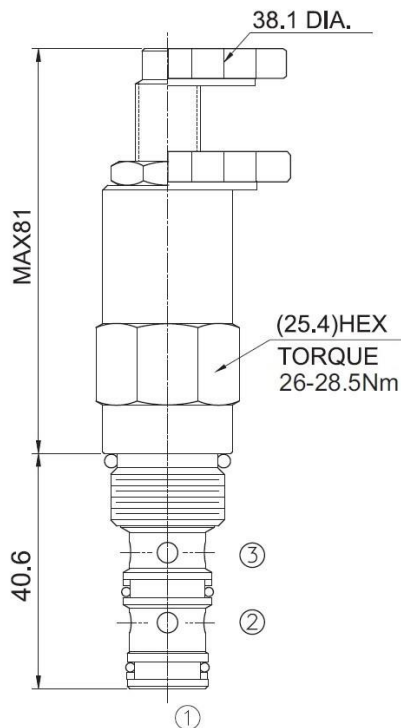


Model Code

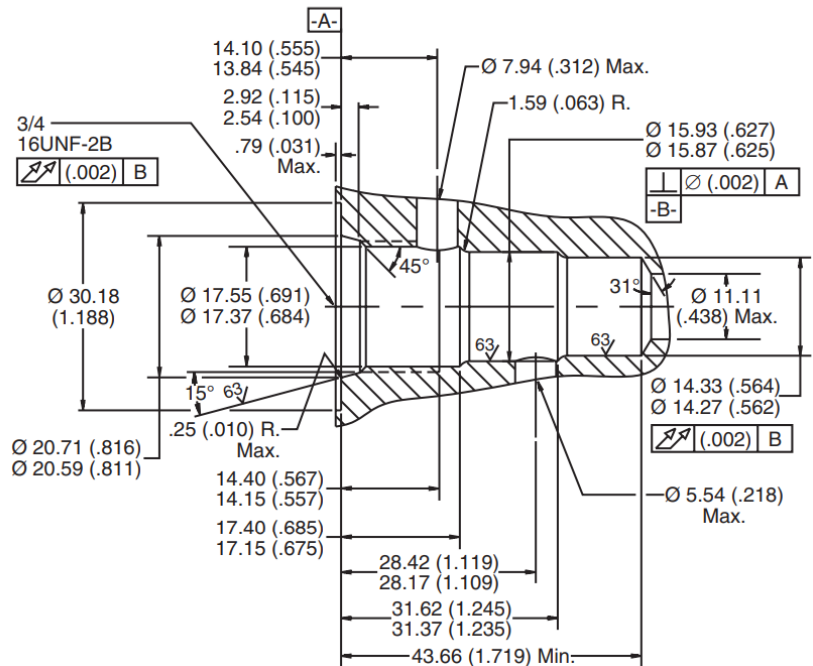
PR	-	08-32	-	-	-	-
Direct Acting Spool-Type Pressure Reducing & Relieving Valve		Size	<u>Seals</u> N=Buna N (Std) V=Fluorocarbon			<u>Adjustment</u> A = 5mm Hex Allen head (Std) C = Option A with Cover Cap K = 30mm Dia Knob
Spring Ranges 02 = 3.4- 20.7 bar (50-300psi) Preset : 10.3 bar 04 = 6.9- 41.4 bar (100-600psi) Preset : 20.7 bar 08 = 20.7- 82.8 bar (300-1200psi) Preset : 41.4 bar 15 = 34.5-152 bar (500-2200psi) Preset : 76 bar						

Installation Specifications

Unit = Millimeter



Dimensions Millimeters (Inches)



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