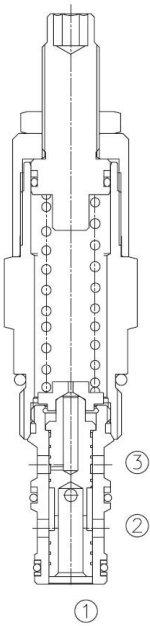




Overview



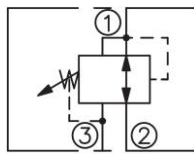
Description

The PR-10-32 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.

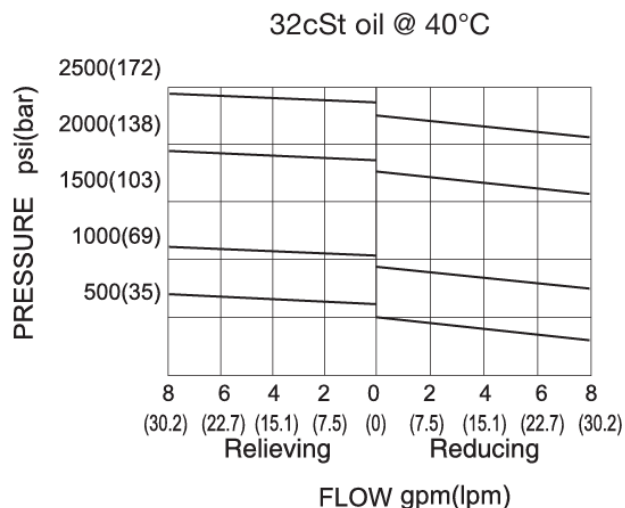
Symbol



Ratings

Operating Pressure	207 Bar
Flow Rating	See performance chart
Internal Leakage	From (2) to (3) 82 cc/min. max. at ▲ P 207 bar
Standard Spring Ranges	5.5 to 27.6 bar, preset : 13.8bar 13.8 to 55.2 bar, preset : 27.6bar 20.7 to 103 bar, preset : 51.5bar 27.6 to 145 bar, preset : 72.5 bar
Temperature	-40° F to +250° F (-40° C to +120° C)
Filtration	NAS CLASS 10 or Below.
Fluids	Mineral Based Fluids with viscosities of 7.4 to 420 cSt
Cavity	C-10-3, Refer Next Page
Body Material	6061 – T6 aluminium alloy rated to 207 bar, steel & Ductile iron rated to 350 bar

Performance

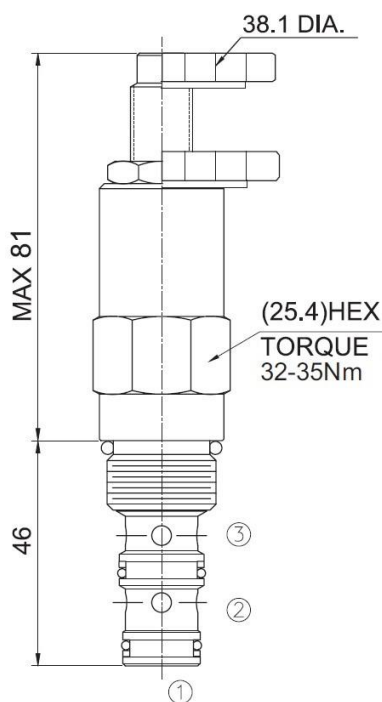


Model Code

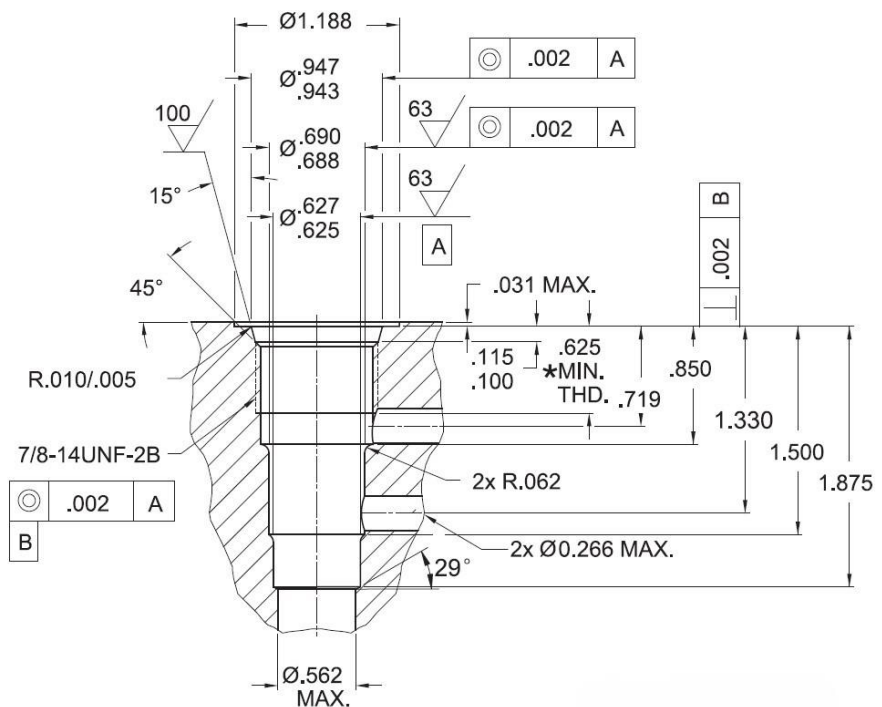
PR	-	10-32	-	-	-	-	-	-
Direct Acting Spool-Type Pressure Reducing & Relieving Valve		Size	Seals N=Buna N (Std) V=Fluorocarbon			Adjustment A = 1/4 Hex Allen head K = 1 -1/2" Dia Knob		Body Porting Blank = None 6T = SAE6 8T = SAE8 2G = G 1/4 3G = G 3/8
Spring Ranges 03 = 5.5-27.6 bar (80-400psi) Preset : 13.8 bar (200psi) 05 = 13.8-55.2 bar (200-800psi) Preset : 27.6bar (400psi) 10 = 20.7-103 bar (300-1500psi) Preset : 51.5 bar (750psi) 15 = 27.6-145 bar (400-2100psi) Preset : 72.5 bar (1050psi)								

Installation Specifications

Unit = Millimeter



Unit = Inch



CAVITY: 10-3

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