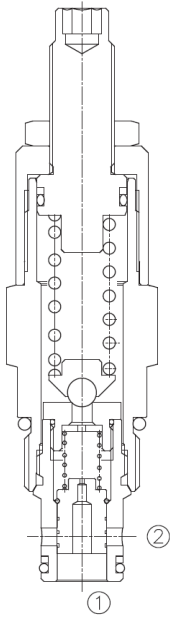




Overview



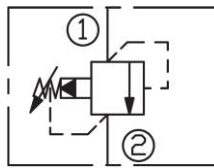
Description

The RV2-10-20 is a cartridge style pilot operated spool-type relief Valve.

Operation

The valve prevents flow from (1) to (2) until pressure at (1) exceeds the set crack pressure and opens the pilot section. The pilot flow creates a pressure differential across the spool which causes the valve to open allowing flow from (1) to (2) protecting the circuit from over pressurization.

Symbol



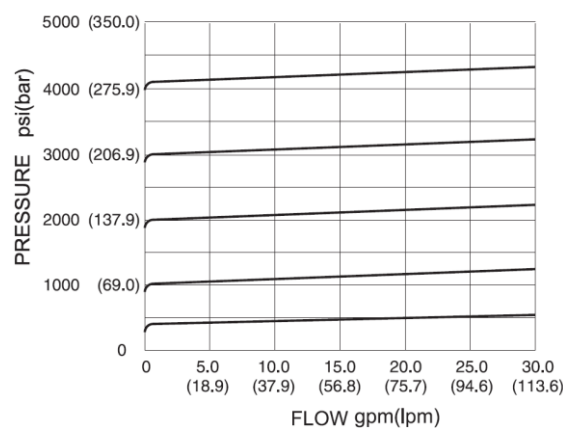
Ratings

Operating Pressure	350 Bar
Flow Rating	Refer Pressure drop VS Flow Graph
Internal Leakage	82 cc/min. max. to 80% of nominal setting
Reseat Pressure	85% of crack pressure (Crack pressure at 0.95 lpm / 0.25 gpm)
Standard Spring Ranges	7 to 28 bar; Preset: 21 bar 21 to 138 bar; Preset: 69 bar 28 to 207 bar; Preset: 138 bar 41 to 350 bar; Preset: 207 bar
Temperature	-40° F to +250° F (-40° C to +120° C)
Fluids	Mineral Based Fluids with viscosities of 7.4 to 420 cSt
Cavity	C-10-2, Refer Next Page
Body Material	Steel & Ductile iron rated to 350 bar

Performance

PRESSURE DROP VS FLOW

32cSt oil @ 40°C

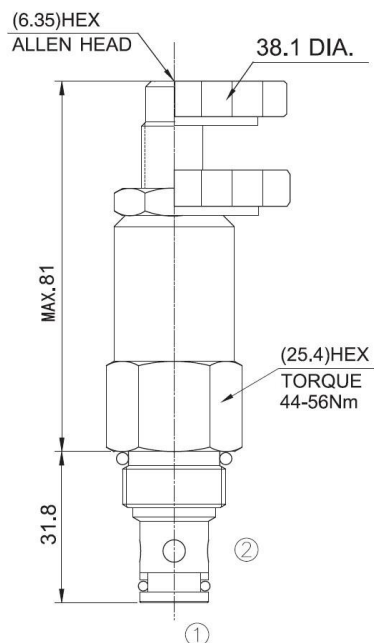


Model Code

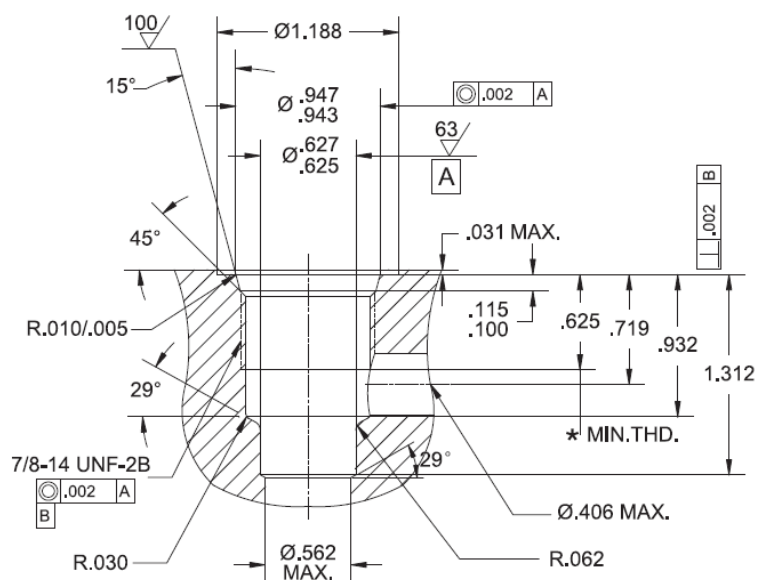
RV2	-	10-20	-	-	-	-	-	-	-
Pilot operated Spool-type Relief Valve		Size	Seals N-Buna N (Std) V-Flurocarbon		Adjustment K = 30mm Dia Knob (Omit for 1/4 Hex Allen head)		Setting in Bar Blank = Preset Example : 250=250bar		Body Porting Blank = None 6T = SAE6 8T = SAE8 3G = G 3/8 4G = G 1/2
				Spring Ranges 03 = 7 – 28 bar (101-400psi) Preset : 21 bar (300 psi) 14 = 21- 138 bar (300-2000psi) Preset : 69 bar (1000 psi) 21 = 28- 207 bar (400-3000psi) Preset : 138 bar (2000 psi) 35 = 41-350 bar (600-5000psi) Preset : 207 bar (3000 psi)					

Installation Specifications

Unit = Millimeters



Unit = Inch



CAVITY:10-2

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