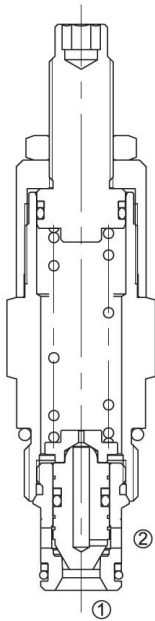


Overview



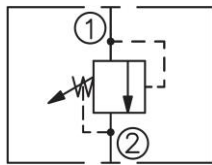
Description

The RV-10-20 is a cartridge style direct-acting poppet-type relief valve.

Operation

The valve prevents flow from (1) to (2) until the set crack pressure at (1) is achieved. The poppet then unseats allowing flow from (1) to (2) protecting the circuit from over pressurization.

Symbol

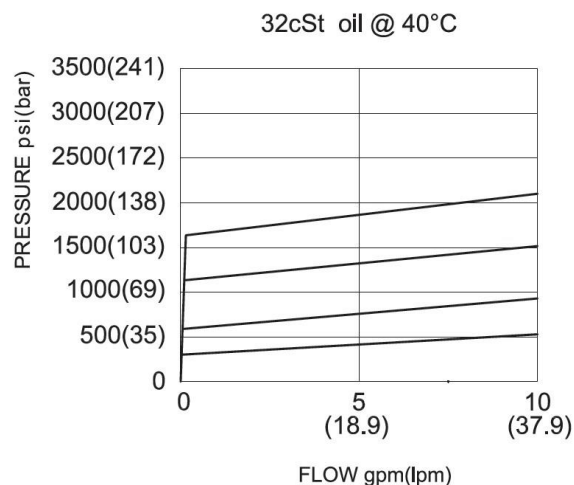


Ratings

Operating Pressure	228 Bar
Flow Rating	Refer Pressure drop VS Flow Graph
Internal Leakage	82 cc/min. max. to 80% of nominal setting
Reseat Pressure	80% of crack pressure (Crack pressure at 0.95 lpm / 0.25 gpm)
Standard Spring Ranges	3 to 41 bar; preset: 20 bar 10 to 80 bar; preset: 40 bar 17 to 161 bar; preset: 80 bar 20 to 210 bar; preset: 120 bar
Temperature	-40° F to +250° F (-40° C to +120° C)
Filtration	Maximum Fluid Contamination Level 20/18/14 as per ISO 4406
Fluids	Mineral Based Fluids with viscosities of 7.4 to 420 cSt
Cavity	C-10-2
Body Material	6061-T6 aluminum alloy rated at 207 bar, Steel & Ductile iron rated to 350 bar

Performance

PRESSURE DROP VS FLOW



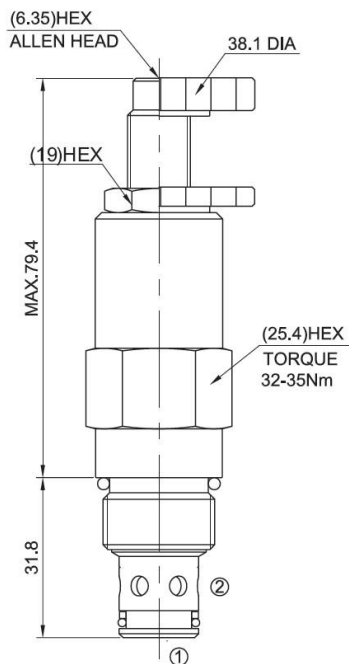


Model Code

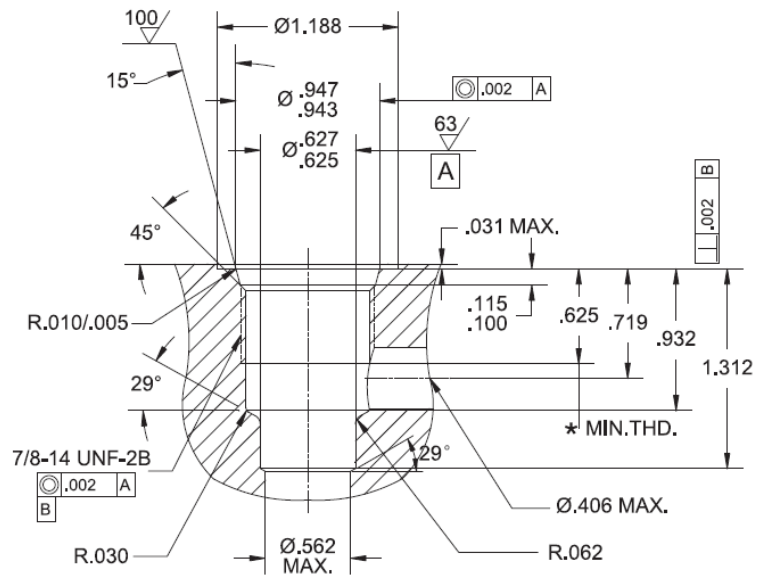
RV	-	10-20	-	-	-	-	-	-	-
Direct Acting Poppet-type Relief Valve		Size	Seals N-Buna N (Std) V-Fluorocarbon		Adjustment K= 30mm Dia Knob (Omit for 1/4 Hex Allen Head)		Optional Pressure Setting Omit = Standard Setting Example : 200= 200 bar		
				Spring Ranges 04 - 3 to 41 bar; preset: 20 bar 08 - 10 to 80 bar; preset: 40 bar 16 - 17 to 161 bar; preset: 80 bar 21 - 20 to 210 bar; preset: 120 bar				Port Size Omit = None 4T = SAE4 6T = SAE6 2G = G 1/4 3G = G 3/8	

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.