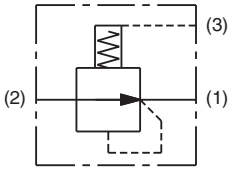
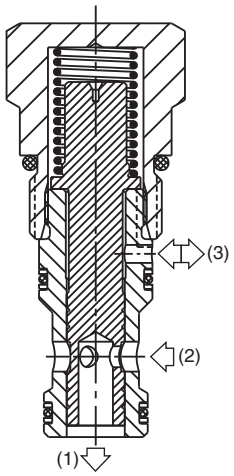
General Description

Spool Type , Normally Open, Vent to Close Logic Element. For additional information see Technical Tips on pages LE1-LE6.

Features

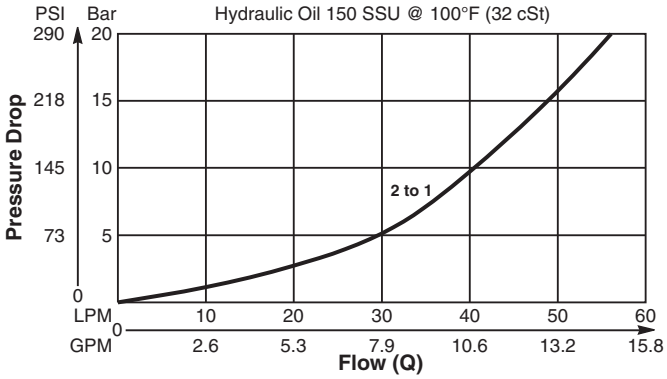
- High flow capacity
- Used as high flow switching or metering element
- Can be used for inline pressure compensated flow control when used with restrictor (refer to application)
- More stable than poppet type
- Various switching pressures available
- 1:1 pilot ratio
- Hardened working parts for maximum durability
- All external parts zinc plated





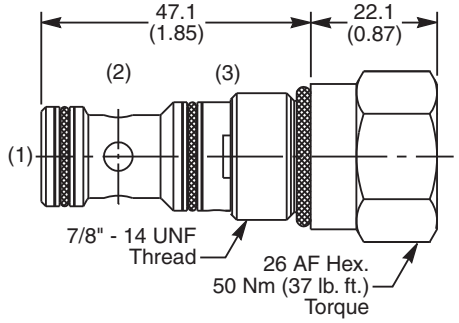
Performance Curve

Pressure Drop vs. Flow (Through cartridge only)



Dimensions

Millimeters (Inches)



Specifications

Rated Flow	57 LPM (15 GPM)
Nominal Flow @ 7 Bar (100 PSI)	35 LPM (9.2 GPM)
Maximum Inlet Pressure	420 Bar (6000 PSI)
Leakage @ 150 SSU (32 cst)	50 ml/min. @ 100 Bar (1450 PSI)
Switching Press.	See ordering information
Cartridge Material	All parts steel. All operating parts hardened steel.
Fluid Compatibility/ Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO-4406 18/16/13, SAE Class 4
Approx. Weight	.14 kg (.31 lbs.)
Cavity	C10-3S (See BC Section for more details)
Form Tool	Rougher NFT10-3SR Finisher NFT10-3SF

Ordering Information

R04H3	—		N
10 Size Logic Element		Switching Pressure	Seals

Code	Switching Pressure Non Adjustable Preset
5.0	5.0 Bar (73 PSI) Std.
10.0	10.0 Bar (145 PSI)
15.0	15.0 Bar (218 PSI)

If no switching pressure is specified, valve will be supplied as R04H3-5.0N

Code	Seals / Kit No.	Operating Temp.
N	Nitrile, Buna-N / (SK30504N-1)	-34°C to +121°C (-30°F to +250°F)

Order Bodies Separately See section BC

LB10	711	S
Line Body	Porting	Body Material

Code	Porting
711	3/4″ BSP

Code	Body Material
S	Steel