

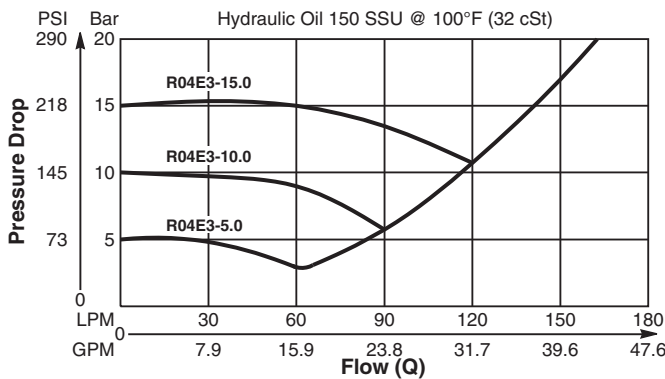
General Description

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

Features

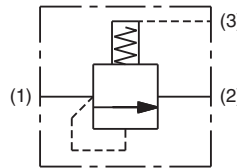
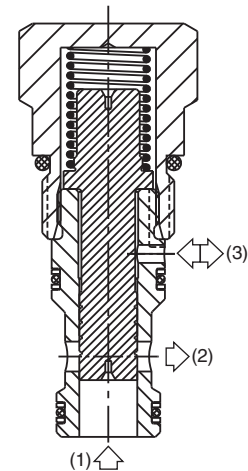
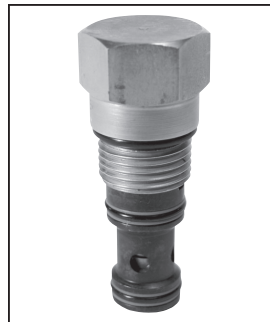
- High flow capacity
- Used as high flow switching or metering element
- Can be used as bleed off style pressure compensated flow regulator when used with restrictor
- More stable than poppet type
- Various switching pressures available
- 1:1 pilot pressure ratio
- Hardened working parts for maximum durability
- All external parts zinc plated

Performance Curve (Through cartridge only)
Vented Open Pressure Drop vs. Flow 1 to 2

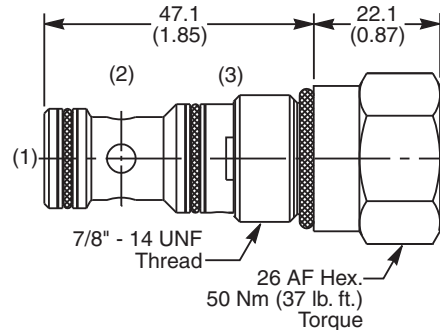


Specifications

Rated Flow	170 LPM (45 GPM)
Nominal Flow @ 7 Bar (100 PSI)	100 LPM (26 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



Dimensions Millimeters (Inches)



Ordering Information

R04E3 — **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 R04E3-5.0N

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

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

CV

Check Valves

SH

Shuttle Valves

LM

Load/Motor Controls

FC

Flow Controls

PC

Pressure Controls

LE

Logic Elements

DC

Directional Controls

SV

Solenoid Valves

PV

Proportional Valves

CE

Coils & Electronics

BC

Bodies & Cavities

TD

Technical Data