

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

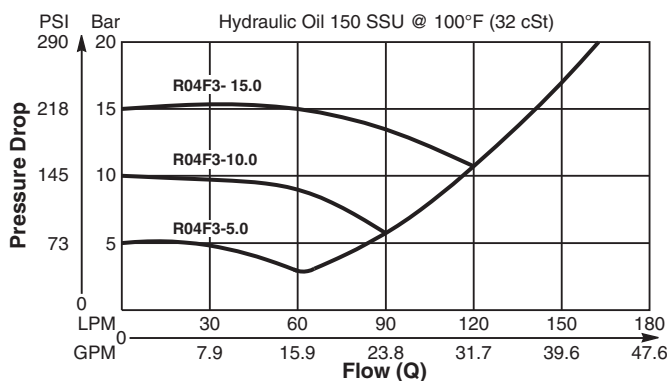
General Description

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

Features

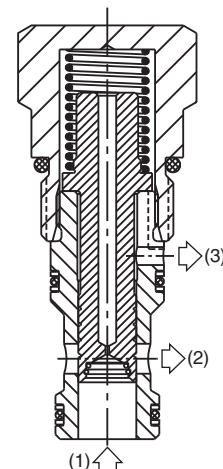
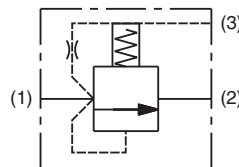
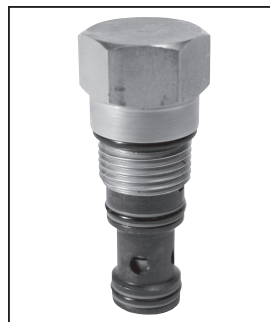
- High flow capacity
- Used as high flow switching or metering element
- Can be used as main stage for a pilot operated relief or sequence valve
- Integral 250 micron pilot flow filter
- Various switching pressures available
- 1:1 pilot pressure ratio
- Hardened working parts for maximum durability
- All external parts zinc plated

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

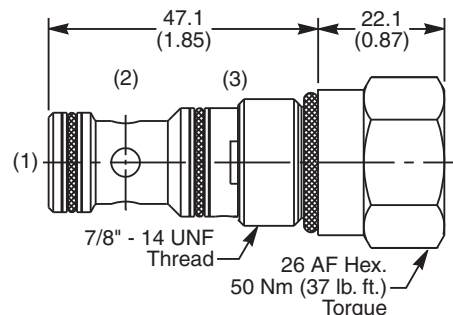


Specifications

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	.13 kg (.29 lbs.)
Cavity	C10-3S (See BC Section for more details)
Form Tool	Rougher NFT10-3SR Finisher NFT10-3SF



Dimensions Millimeters (Inches)



Ordering Information

R04F3		N
10 Size Logic Element	Switching Pressure	Seals

*Order Bodies Separately
See section BC*

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 R04F3-5.0N*

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)