

CV

Check
Valves

SH

Shuttle
Valves

LM

Load/Unload
Controls

FC

Flow
Controls

PC

Pressure
Controls

LE

Logic
Elements

DC

Directional
Controls

MV

Manual
Valves

SV

Solenoid
Valves

PV

Proportional
Valves

CE

Cylinders &
Electronics

BC

Bodies &
Cavities

TD

Technical
Data**General Description**

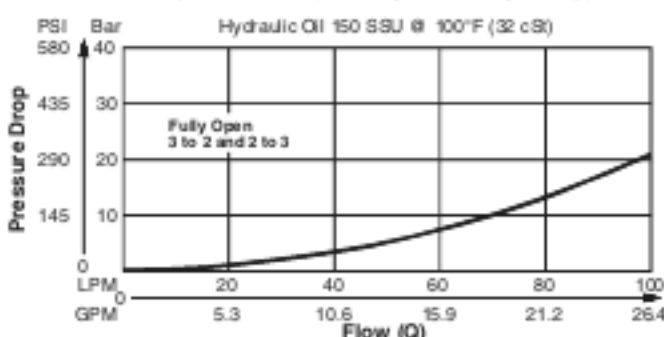
Diverter Valve, Normally Closed, Pilot to Open.

Features

- Two switching pressures available
- Sealed pilot option available
- Hardened working parts for maximum durability
- All external parts zinc plated

Performance Curve

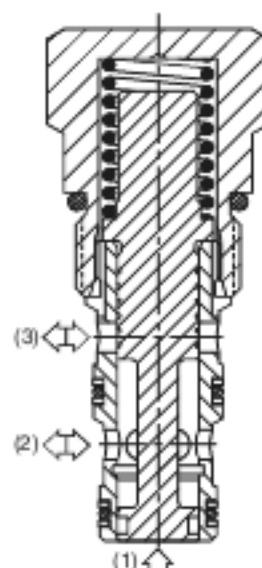
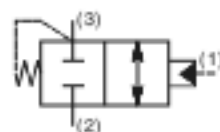
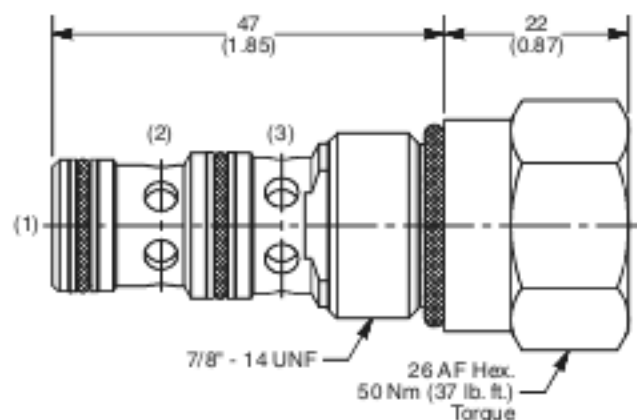
Pressure Drop vs. Flow (Through cartridge only)

**Application Note**

To fully open, the valve requires at least a further 2 Bar (29 PSI) above the pilot switching pressure.

Specifications

Rated Flow	100 LPM (22 GPM)
Nominal Flow @ 7 Bar (100 PSI)	60 LPM (16 GPM)
Maximum Inlet Pressure	420 Bar (6000 PSI)
Pilot Switching Pressure	See ordering information
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-40°C to +93.3°C (Nitrile, Buna-N) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO code 16/13, SAE Class 4 or better
Approx. Weight	.15 kg (.33 lbs.)
Cavity	C10-3 (See BC Section for more details)

**Dimensions** Millimeters (Inches)**Ordering Information**

R04D3					
10 Size Diverter Valve	Pilot Switching Pressure	Seals	Sealed Pilot	Body Material	Port Size

Code	Switching Pressure
5.0	5.0 Bar (73 PSI) Std.
10.0	10.0 Bar (145 PSI)

If no switching pressure is specified, valve will be supplied as R04D3-5.0N

Code	Seals / Kit No.
N	Nitrile, Buna-N / (SK30505N-1)
V	Fluorocarbon / (SK30505V-1)

Code	Sealed Pilot
Omit	If not required
S	Sealed Pilot

Code	Body Material
Omit	Steel
A	Aluminum

Code	Port Size	Body Part No.
Omit	Cartridge Only	
4P	1/4" NPTF	(B10-3-*4P)
6P	3/8" NPTF	(B10-3-*6P)
8P	1/2" NPTF	(B10-3-*8P)
6T	SAE-6	(B10-3-*6T)
8T	SAE-8	(B10-3-*8T)
6B	3/8" BSPG	(B10-3-6B)†
8B	1/2" BSPG	(B10-3-*8B)

* Add "A" for aluminum, omit for steel.
† Steel bodies only.