

**CV**

Check  
Valves

**SH**

Shuttle  
Valves

**LM**

Load/Motor  
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

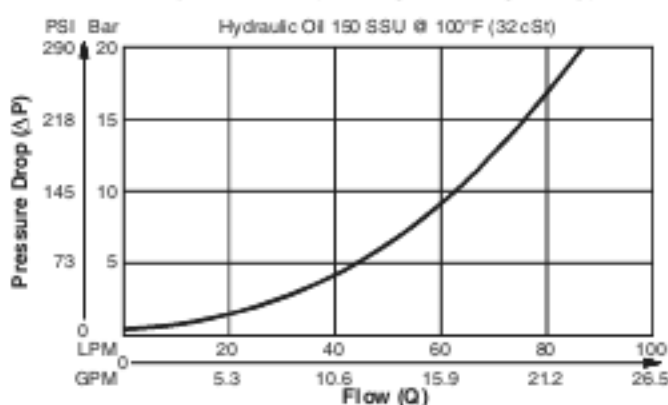
Two Position, Three Way, Spring Centered Shuttle Valve. For additional information see Technical Tips on pages SH1-SH2.

## Features

- High flow capacity
- Various switching pressures available
- Use as purge valve in transmission systems
- Hardened working parts for maximum durability
- All external parts zinc plated

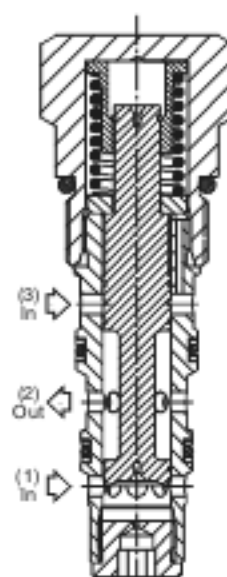
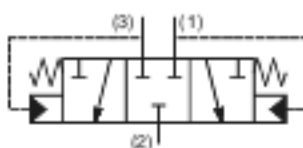
## Performance Curve

Pressure Drop vs. Flow (Through cartridge only)

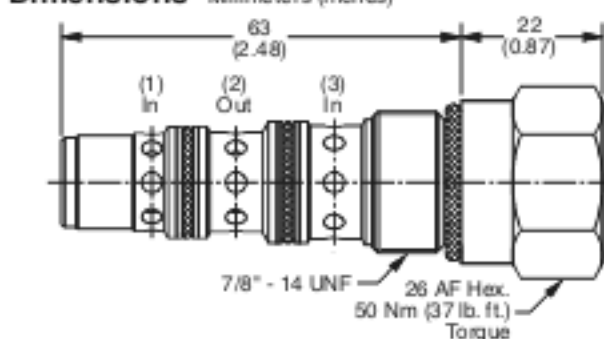


## Specifications

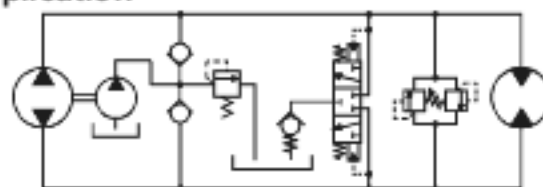
|                                |                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Rated Flow                     | 100 LPM (26 GPM)                                                                                                   |
| Nominal Flow @ 7 Bar (100 PSI) | 55 LPM (15 GPM)                                                                                                    |
| Maximum Inlet Pressure         | 420 Bar (6000 PSI)                                                                                                 |
| Cartridge Material             | All parts steel. All operating parts hardened steel.                                                               |
| Operating Temp. Range/Seals    | -40°C to +93.3°C (Nitrile, Buna-N)<br>(-40°F to +200°F)<br>-31.7°C to +121.1°C (Fluorocarbon)<br>(-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                 | .17 kg (.37 lbs.)                                                                                                  |
| Cavity                         | C10-4<br>(See BC Section for more details)                                                                         |



## Dimensions



## Application



Purge valve in transmission circuit

## Ordering Information

|               |                    |       |               |           |
|---------------|--------------------|-------|---------------|-----------|
| <b>K04C3</b>  |                    |       |               |           |
| Shuttle Valve | Switching Pressure | Seals | Body Material | Port Size |

| Code | Switching Pressure    |
|------|-----------------------|
| 0.0  | 0 Bar (0 PSI)         |
| 2.5  | 2.5 Bar (36 PSI)      |
| 5.0  | 5.0 Bar (73 PSI) Std. |
| 10.0 | 10.0 Bar (145 PSI)    |
| 15.0 | 15.0 Bar (218 PSI)    |

| Code | Body Material |
|------|---------------|
| Omit | Steel         |
| A    | Aluminum      |

| Code | Seals / Kit No.                |
|------|--------------------------------|
| N    | Nitrile, Buna-N / (SK30504N-1) |
| V    | Fluorocarbon / (SK30504V-1)    |

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

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