

3-way, 2-position pilot-to-shift, directional valve

Capacity:
40 gpm (160 L/min.)

Functional Group:

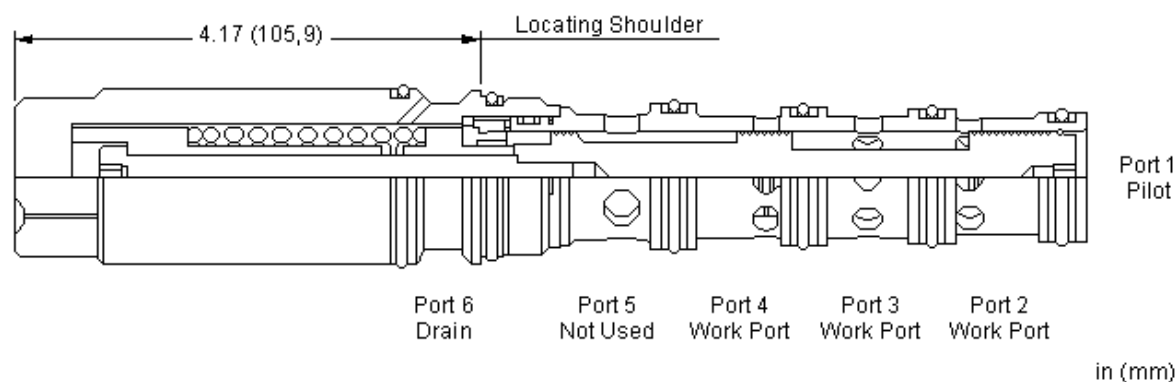
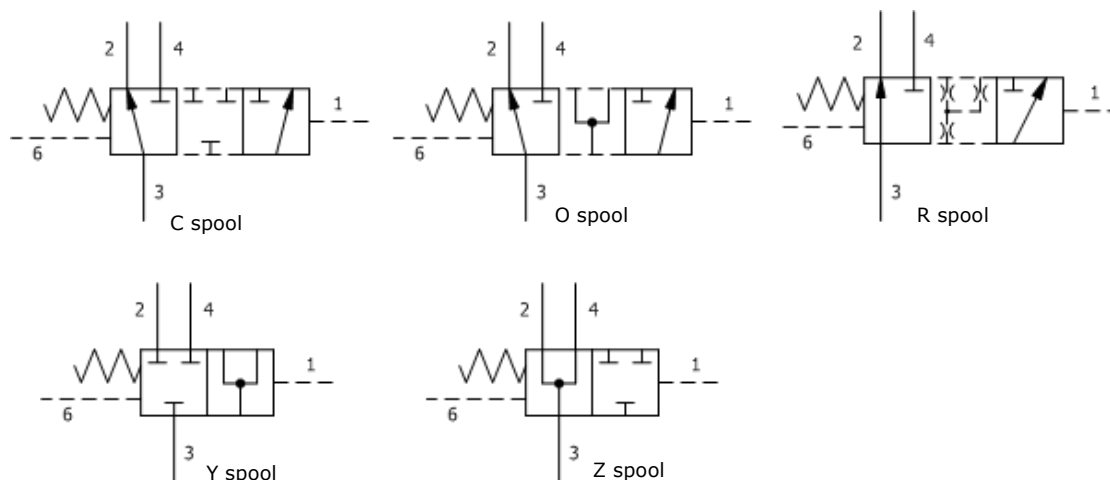
Products : Cartridges : Directional : 3 Way : 2 Position, 3-way, Pilot to Shift

Model:

DDFG

Product Description

Two-position, 3-way directional cartridges are 6-port (port 5 is not used) directional valves that can be configured with up to 5 different spool configurations. The supply port is port 3 and all ports will accept 5000 psi (350 bar). Capacity for these pilot-to-shift valves is dependent on the spool type specified.

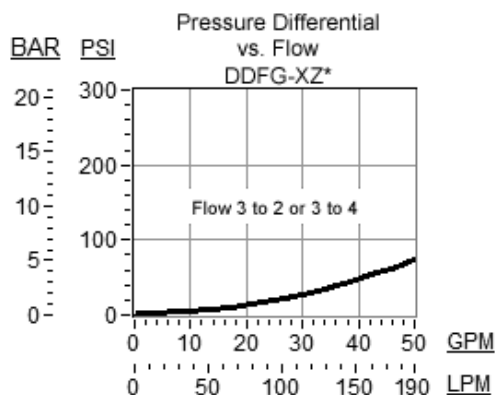
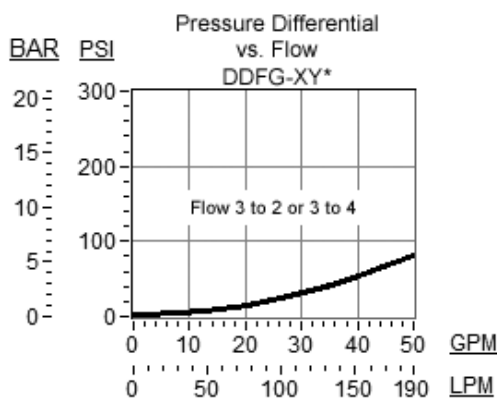
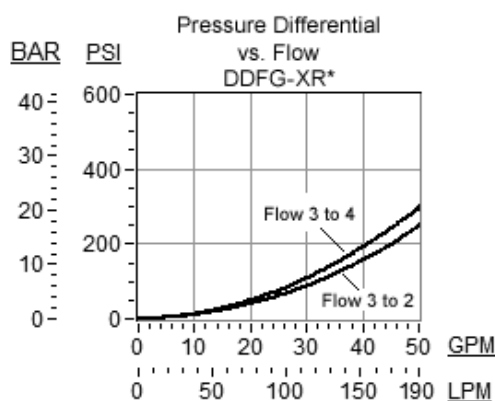
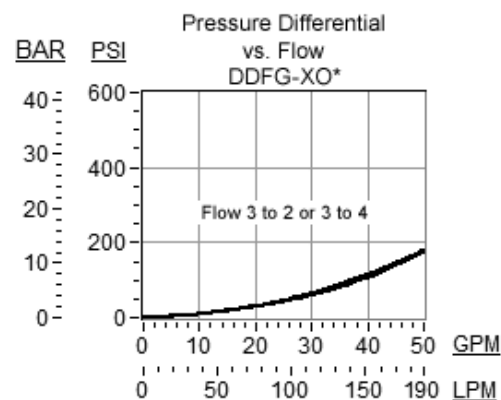
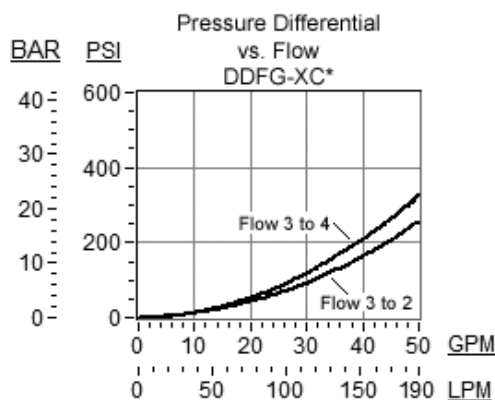


Technical Features

- Leakage listed in technical data is for each path.
- Pressure at port 6 directly opposes port 1.
- Hardened spool and sleeve provide consistent and low spool leakage rates and excellent wear characteristics.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

Technical Data

	U.S. Units	Metric Units
Cavity	T-53A	
Capacity	40 gpm	160 L/min.
Minimum Pilot Pressure Required to Shift Valve	160 psi	11 bar
Pilot Pressure Required for Full Shift at Rated Flow	290 psi	20 bar
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in ³ /min. @ 1000 psi	30 cc/min. @ 70 bar
Pilot Volume Displacement	.13 in ³	2,1 cc
Series (from Cavity)	Series 3	
Valve Hex Size	1 1/4 in.	31,8 mm
Valve Installation Torque	150 - 160 lbf ft	200 - 215 Nm
Seal Kits - Cartridge	Buna: 990-053-007	
Seal Kits - Cartridge	Viton: 990-053-006	
Model Weight	3.09 lb.	1.40 kg.



DDFG-XCN

Control

Standard Options

X Not Adjustable

Spool Configuration

Standard Options

C Closed Crossover
O Open Crossover
R Restricted Crossover
Y All Ports Blocked
Z All Ports Open

Seal Material

Standard Options

N Buna-N
V Viton

Material/Coating Modifier

Preferred Options

No modifier (standard material with no special coating)

Special Options

/AP Stainless Steel, Passivated

Control: X

If the modifier is /AP, the control must be X

Our corrosion resistant product line is growing! If you are interested in a corrosion resistant option for this model, please contact Sun.