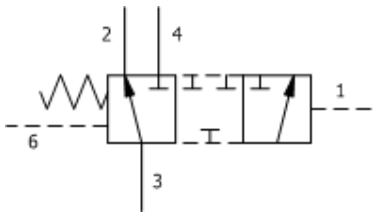
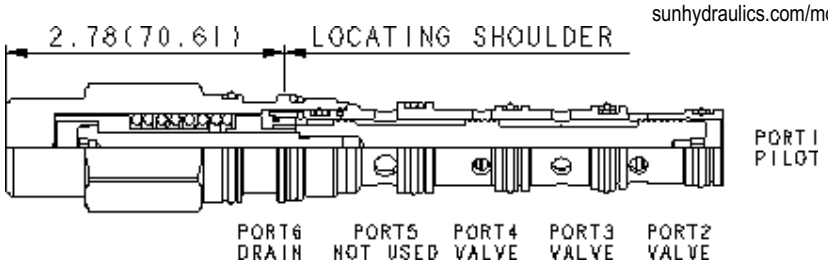
MODEL
DDDG

3-way, 2-position, pilot-to-shift, directional valve
SERIES 2 / CAPACITY: 20 gpm / CAVITY: T-52A

sunhydraulics.com/model/DDDG



X-Control, C-Spool



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.

CONFIGURATION

X	Control	Not Adjustable
C	Spool Configuration	Closed Crossover
N	Seal Material	Buna-N
(none)	Material/Coating	

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Cavity	T-52A
Series	2
Capacity	20 gpm
Maximum Operating Pressure	5000 psi
Minimum Pilot Pressure Required to Shift Valve	145 psi
Pilot Pressure Required for Full Shift at Rated Flow	290 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in³/min.@1000 psi
Pilot Volume Displacement	.05 in³
Valve Hex Size	1 1/8 in.
Valve Installation Torque	45 - 50 lbf ft
Seal kit - Cartridge	Buna: 990052007
Seal kit - Cartridge	Viton: 990052006
Model Weight	1.10 lb.

CONFIGURATION OPTIONS

Model Code Example: DDDGXCN

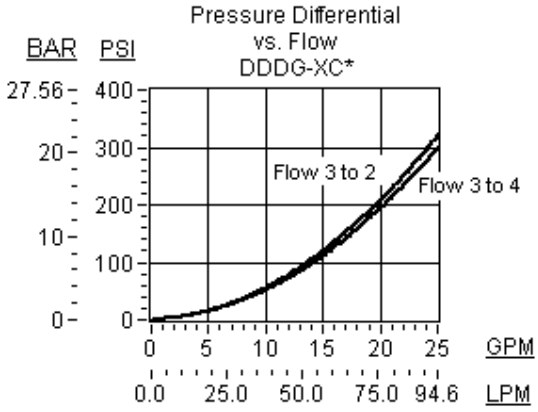
CONTROL (X)	SPOOL CONFIGURATION (C)	SEAL MATERIAL (N)	MATERIAL/COATING
X Not Adjustable	**C** Closed Crossover	**N** Buna-N	Standard Material/Coating
	O Open Crossover	**V** Viton	**/AP** Stainless Steel, Passivated
	R Restricted Crossover		**/LH** Mild Steel, Zinc-Nickel
	Y All Ports Blocked		
	Z All Ports Open		

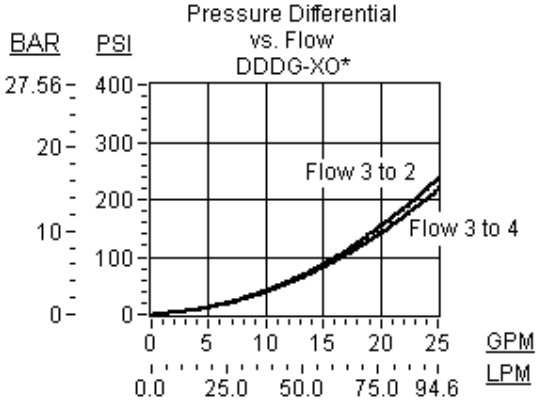
TECHNICAL FEATURES

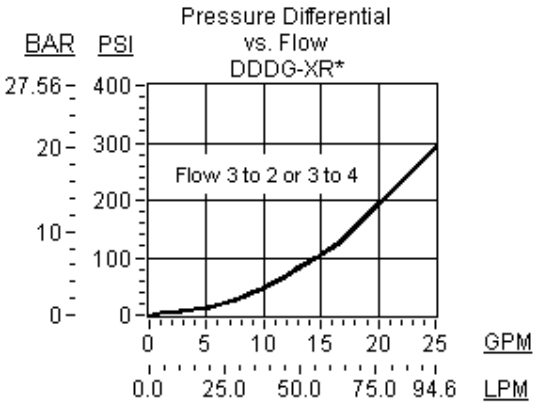
- Leakage listed in technical data is for each path.
- Pressure at port 6 directly opposes port 1.
- Hardened spool and sleeve provide consistent and low spool leakage rates and excellent wear characteristics.
- Incorporates the Sun floating-style construction to minimize the possibility of internal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

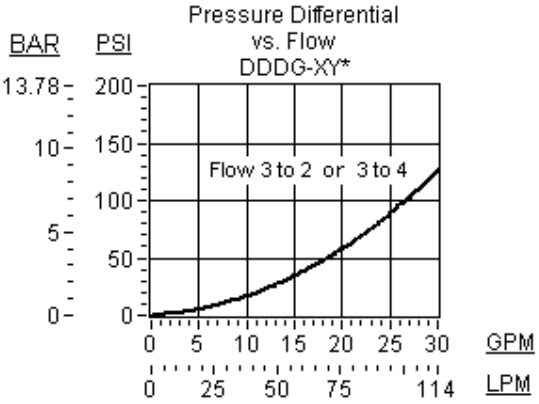
PERFORMANCE CURVES

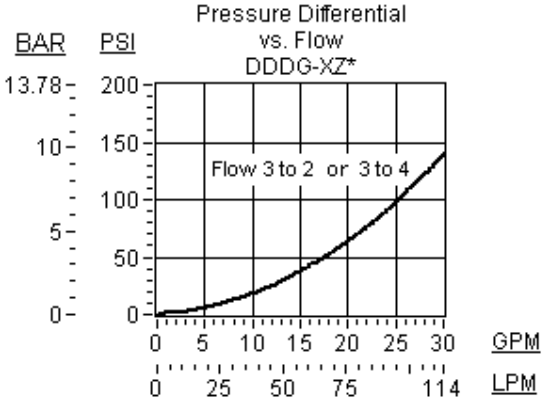
© 2026 Sun Hydraulics

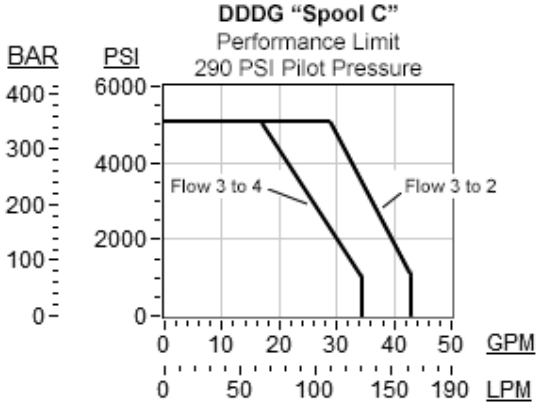


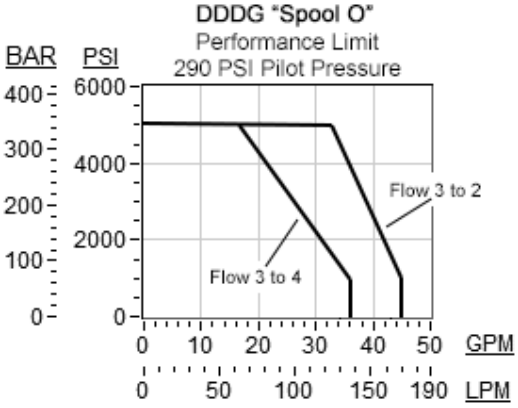


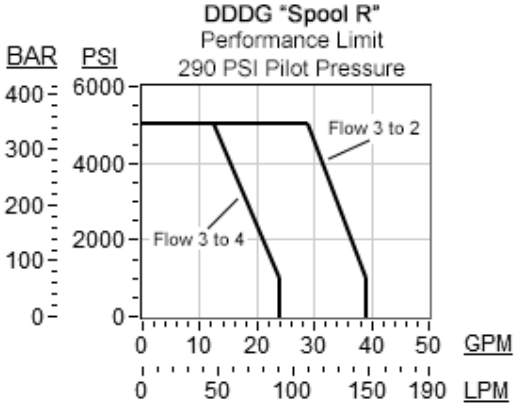




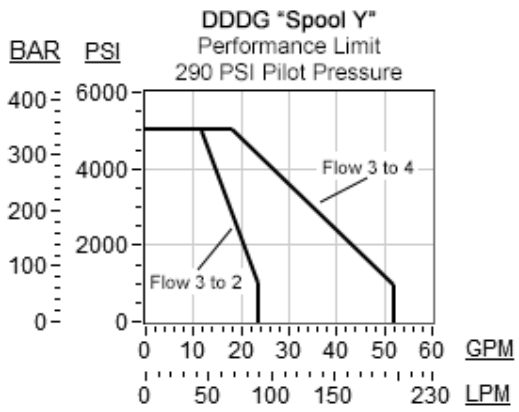


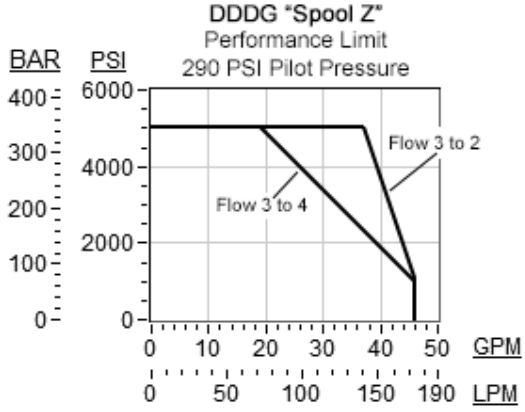






© 2026 Sun Hydraulics





© 2026 Sun Hydraulics