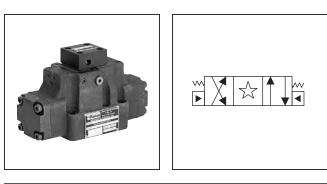
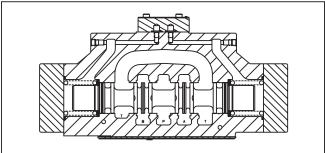
## **General Description**

Series D4P directional control valves are 5-chamber pilot operated valves. They are available in 2 or 3-position styles. These manifod mounted valves conform to NFPA's D07, CETOP 7 and NG16.

## Features

- Low pressure drop design.
- Hardened spools for long life.



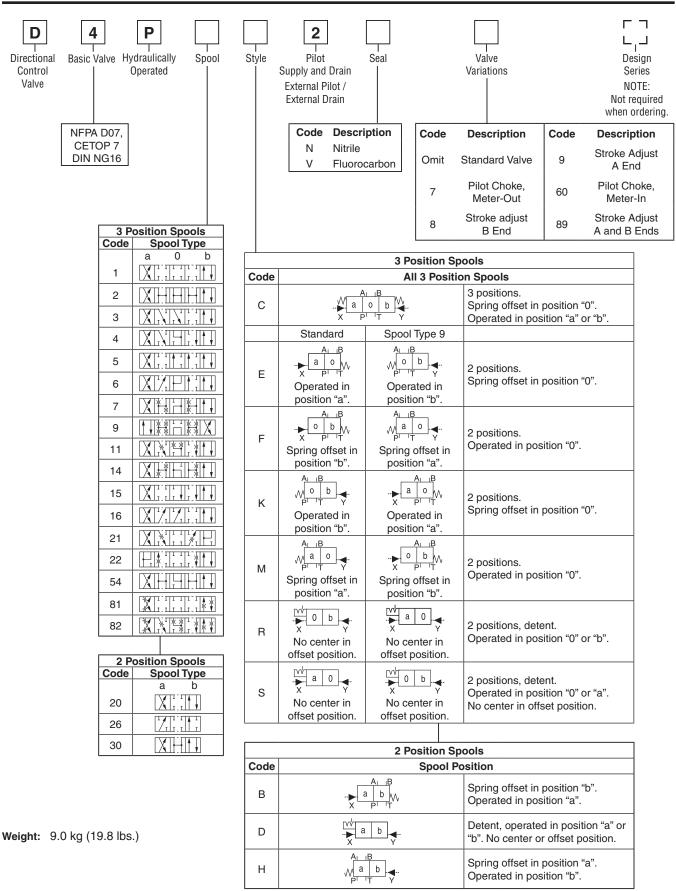


## **Specifications**

General					
Design	Directional spool valve				
Actuation	Hydraulic				
Size	NG16				
Mounting interface	DIN 24340 A16, ISO 4401, NFPA D07, CETOP RP 121-H				
Mounting Position	Unrestricted, preferably horizontal				
Ambient Temperature [°C]	-25+50 (-13°F+122°F)				
MTTF <sub>D</sub> value	150 years				
Hydraulic					
Maximum Operating Pressure	External Drain: P, A B, T 350 Bar (5075 PSI); X, Y 350 Bar (5075 PSI)				
Fluid	Hydraulic oil in accordance with DIN 51524 / 51525				
Fluid Temperature [°C]	-25 +70 (-13°F+158°F)				
Viscosity Permitted [cSt]/[mm²/s]	2.8400 (131850 SSU)				
Recommended [cSt]/[mm <sup>2</sup> /s]	3080 (139371 SSU)				
Filtration	ISO 4406 (1999); 18/16/13 (meet NAS 1638: 7)				
Maximum Flow	300 LPM (79.4 GPM)				
Leakage at 350 Bar (per flow path) [ml/min]	up to 200 (0.05 GPM) (depending on spool)				
Pilot Supply Pressure Minimum	5 Bar (73 PSI)				
Maximum	350 Bar (5075 PSI)				
Static / Dynamic					
Step Response	The response times depend on the pilot oil pressure and on the speed of the increase/ decrease of the pilot pressure.				

D41.indd, dd





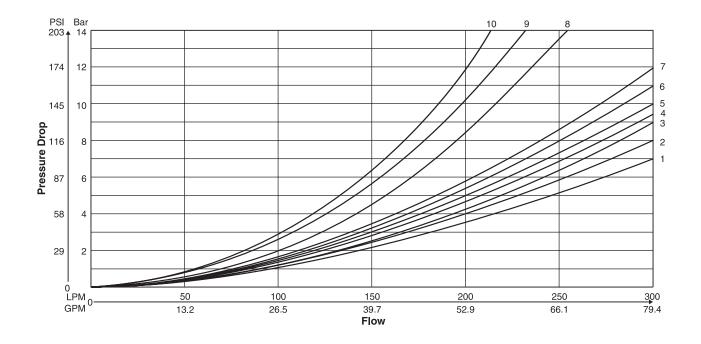
Further spool types and position control on request.

D41.indd, dd



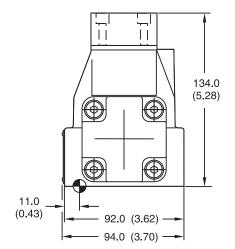
The flow curve diagram shows the flow versus pressure drop curves for all spool types. The relevant curve number for each spool type, operating position and flow direction is given in the table below.

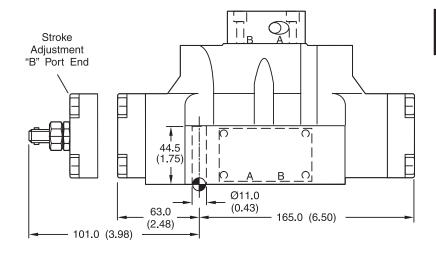
Spool	Curve Number						
Code	P-A	P-B	P-T	A-T	B-T		
1	1	1	-	4	5		
2	1	2	6	4	6		
3	1	2	-	5	6		
4	1	1	-	5	5		
5	2	2	-	3	5		
6	1	2	-	3	6		
7	1	1	6	4	5		
9	2	9	8	7	10		
11	1	1	-	4	5		
14	1	1	6	4	5		
15	1	2	-	4	6		
16	2	2	-	3	5		
20	3	5	_	3	5		
21	2	8	_	2	_		
22	8	2	-	-	3		
26	3	5	_		-		
30	2	3	_	6	7		
54	2	3	_	6	7		





Inch equivalents for millimeter dimensions are shown in (\*\*)





Surface Finish	🗦 🛄 Kit	E F	27	Seal 🔘 Kit
√R <sub>max</sub> 6.3 ↓ □0.01/100	BK320	4x M10x60 2x M6x55 DIN 912 12.9	63 Nm (46.5 lbft.) 13.2 Nm (9.7 lbft.) ±15%	Nitrile: SK-D41VW-N-91 Fluorocarbon: SK-D41VW-V-91

D41.indd, dd



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