

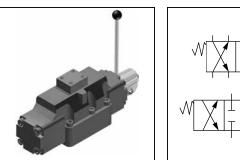
## **General Description**

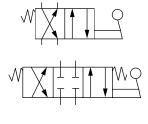
Series D4L valves are 5 chamber, directional control valves and are available in 2 or 3-position styles. They are operated by a hand lever which is directly connected to the spool.

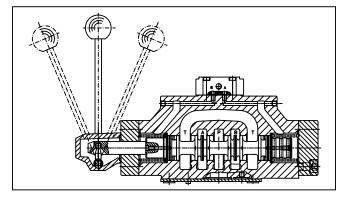
The hand lever can be located either on the A or B side. Spring offset and detent designs are available.

## Features

- Low force required to shift spool.
- Hardened spools provide long life.
- Low pressure drop design.







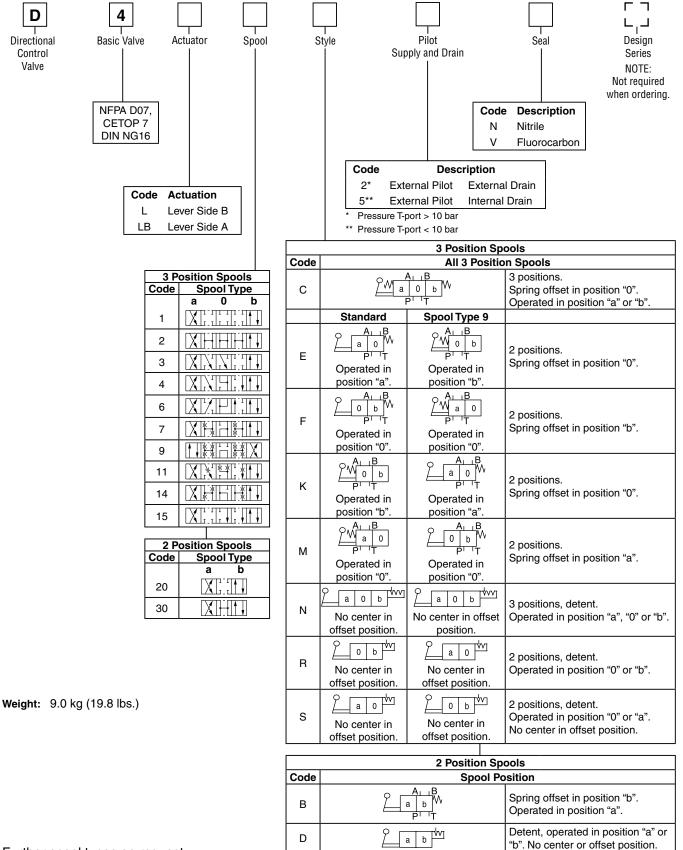
## **Specifications**

General					
Design	Directional spool valve				
Actuation	Lever				
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)				
Hydraulic					
Maximum Operating Pressure	External Drain: P, A B, T 350 Bar (5075 PSI); X, Y 10 Bar (145 PSI)				
	Internal Drain: P, A B 350 Bar (5075 PSI); T, X, Y 10 Bar (145 PSI)				
Fluid	Hydraulic oil in accordance with DIN 51524 / 51525				
Fluid Temperature [°C]	-25 +70; (-13°F+158°F)				
	2.8400 (131854 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)				

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Further spool types on request.

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b

Spring offset in position "a".

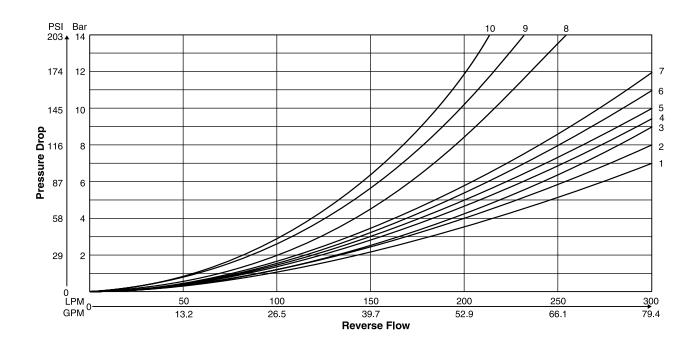
Operated in position "b".



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		
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	5	4		
15	2	1	-	6	5		
20	3	5	-	3	5		
30	2	3	-	6	7		

All characteristic curves measured with HLP46 at 50°C.

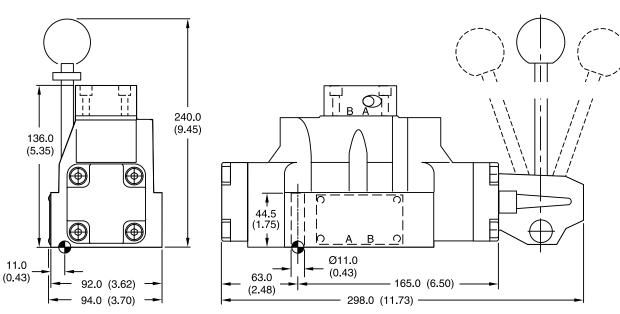




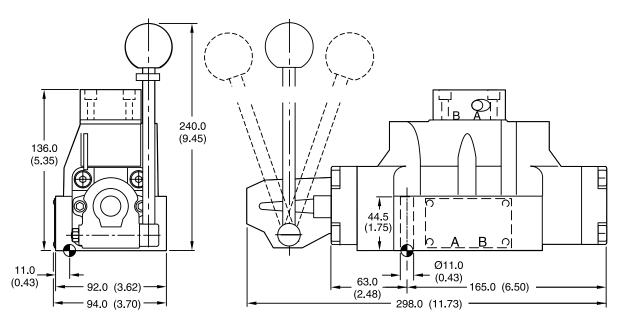
Directional Control Valves Series D4L

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





## D4LB



**Return to** 

ALPHA TOC

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TOC

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Surface Finish	🗦 🗔 Kit	e t	57	Seal 🔘 Kit
√R <sub>max</sub> 6.3 ↓ (20.01/100)	BK320	4x M10x60 2x M6x55 DIN 912 12.9	63 Nm (46.5 lbft.) 13.2 Nm (9.7 lbft.) ±15%	Nitrile: SK-D4LN60 Fluorocarbon: SK-D4LV60

D41.indd, dd

