Parker D3C, D3D Series Cam Operated Directional Control Valve Service Manual

Catalog HY14-2500/US

General Description

Series D3C and D3D directional control valves are high performance, 4-chamber, direct operated, cam controlled, 3 or 4-way valves. They are available in 2position and conform to NFPA's D05, CETOP 5 mounting patterns.

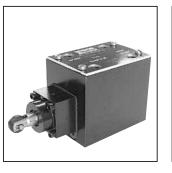
Features

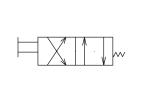
- Choice of 2 cam roller positions (D3C and D3D).
- Short stroke option.
- High flow, low pressure drop design.

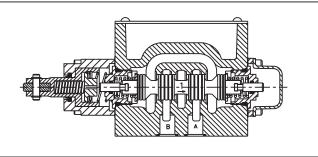
Specifications

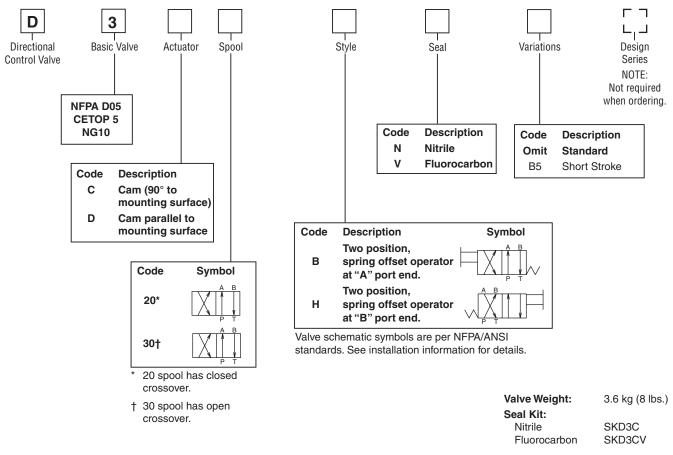
Mounting Pattern	NFPA D05, CETOP 5, NG 10				
Maximum Pressure	Operating: 345 Bar (5000 PSI) Tank Line: 34 Bar (500 PSI)				
Maximum Flow	See Spool Reference Chart				
Force Required to Shift	235 N (53 lbs.)				
Maximum Cam Angle	30°				

Ordering Information









Bold: Designates Tier I products and options.

Non-Bold: Designates Tier II products and options. These products will have longer lead times.

D3.indd, dd



Mounting Bolt Kits

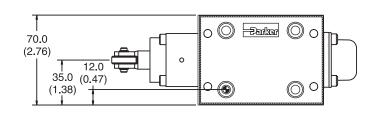
UNC Bolt Kits for use with D3C & D3D Directional Control Valves & Sandwich Valves								
		Number of Sandwich Valves @ 2.00" (50mm) thickness						
		0	1	2	3			
D3C, D3D	Standard:	BK98 1.62"	BK141 3.50"	BK142 5.50"	BK143 7.50"			
	Metric:	BKM98 40mm	BKM141 90mm	BKM142 140mm	BKM143 190mm			

NOTE: All bolts are SAE grade 8, 1/4-20 UNC-2A thread, torque to 16 Nm (12 ft-lbs)

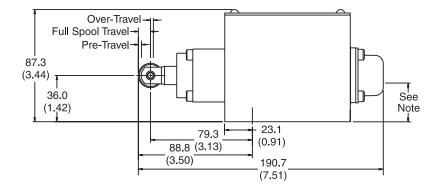
Dimensions

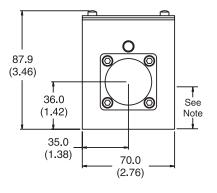
Inch equivalents for millimeter dimensions are shown in (**)

Cam Operated -



Valve Type	Pre-Travel	Full Spool Travel	Over-Travel
Standard	1.75	5.75	2.03
Valve	(0.07)	(0.23)	(0.08)
B5	0	4.00	2.03
Short Stroke	(0)	(0.16)	(0.08)





Note: 30.0mm (1.18") from bottom of bolt hole counterbore to bottom of valve.



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