Technical Information

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 2-position and conform to NFPA's D05, CETOP 5 mounting patterns.

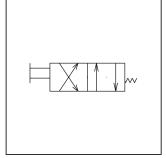
Features

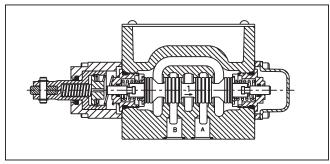
- Choice of 2 cam roller positions (D3C and D3D).
- Short stroke option.
- High flow, low pressure drop design.

Specifications

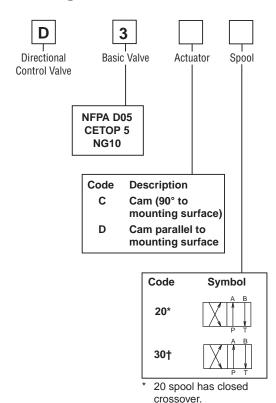
Mounting Pattern	NFPA D05, CETOP 5, NG 10			
Maximum Pressure	Operating: 345 Bar (5000 PSI) Tank Line: 34 Bar (500 PSI)			
Maximum Flow	See Spool Reference Chart			
Force Required to Shift	235 N (53 lbs.)			
Maximum Cam Angle	30°			

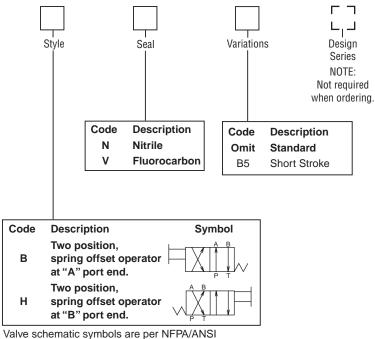






Ordering Information





Valve schematic symbols are per NFPA/ANSI standards. See installation information for details.

† 30 spool has open crossover.

Valve Weight: Seal Kit: 3.6 kg (8 lbs.)

Nitrile Fluorocarbon SKD3C SKD3CV

Bold: Designates Tier I products and options.

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



Mounting Bolt Kits

A

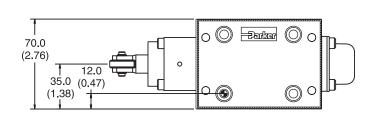
UNC Bolt Kits for use with D3C & D3D Directional Control Valves & Sandwich Valves							
		Number of Sandwich Valves @ 2.00" (50mm) thickness					
		0	1	2	3		
D3C, D3D	Standard:	BK98 1.62"	BK141 3.50"	BK142 5.50"	BK143 7.50"		
	Metric:	BKM98 40mm	BKM141 90mm	BKM142 140mm	BKM143 190mm		

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

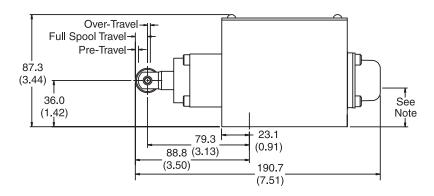
Dimensions

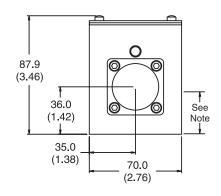
Inch equivalents for millimeter dimensions are shown in (**)

Cam Operated -



Valve Type	Pre-Travel	Full Spool Travel	Over-Travel
Standard	1.75	5.75	2.03
Valve	(0.07)	(0.23)	(80.0)
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.



