Technical Information

General Description

Series D1VC, D1VD and D1VG directional control valves are high performance, 4-chamber, direct operated, cam controlled, 4-way valves. They are available in 2-position and conform to NFPA's D03, CETOP 3 mounting patterns.

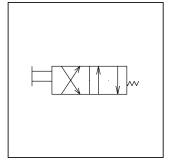
Features

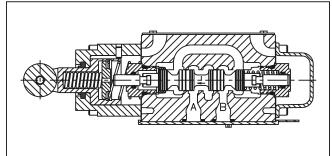
- Choice of 2 cam roller positions (D1VC and D1VD)
- Two styles available (D1VC and D1VG)
- Short stroke option

Specifications

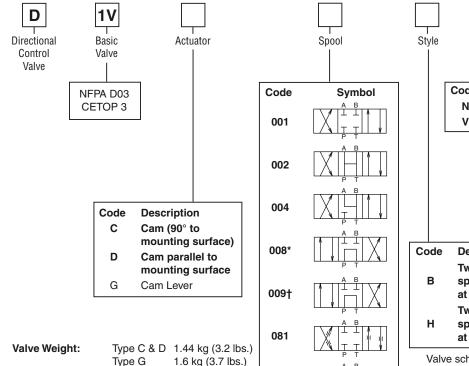
Mounting Pattern	NFPA D03, CETOP 3, NG 6		
Maximum	Operating: 345 Bar (5000 PSI)		
Pressure	Tank Line: 34 Bar (500 PSI)		
Nominal Flow	32 LPM (8.5 GPM)		
Maximum Flow	See Reference Data		
Force Required	D1VC, D1VD: 107 N (24 lbs.)		
to Shift	D1VG: 36 N (8 lbs.)		
Maximum Cam Angle	30°		

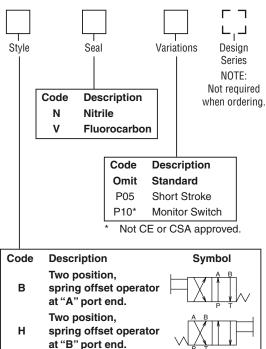






Ordering Information





Valve schematic symbols are per NFPA/ ANSI standards, providing flow P to A when energized. Note flow paths reverse sides for #008 and #009 spools.

P T #008 and #009 spool 008 spool has closed crossover.

† 009 spool has open crossover.

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Bold: Designates Tier I products and options.

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



Standard Bolt Kit:

Metric Bolt Kit:

Fluorocarbon

Seal Kit:

Nitrile

BK209 1-24x1.25

SKD1VC

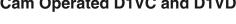
SKD1VCV

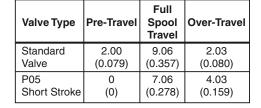
BKM209 M5-0.8x30mm

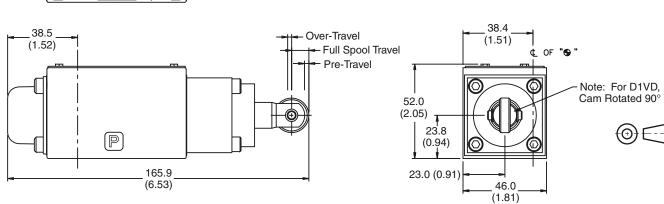
Inch equivalents for millimeter dimensions are shown in (**)

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Cam Operated D1VC and D1VD



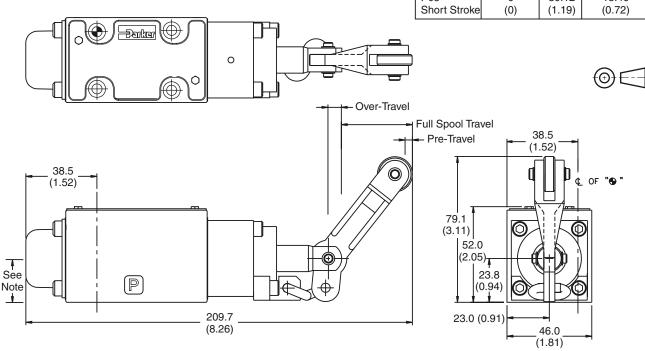




Note: 22.0 mm (0.87") from bottom of bolt hole counterbore to bottom of valve.

Cam Lever Operated D1VG

Valve Type	Pre-Travel	Full Spool Travel	Over-Travel
Standard	6.95	39.63	10.00
Valve	(0.27)	(1.56)	(0.39)
P05	0	30.12	18.40
Short Stroke	(0)	(1.19)	(0.72)



Note: 22.0 mm (0.87") from bottom of bolt hole counterbore to bottom of valve.



