# Parker D1VC, D1VD, D1VG Series Cam Operated Directional **Control Valve Service Manual**

#### **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.

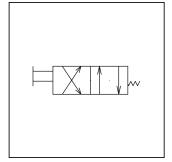
#### **Features**

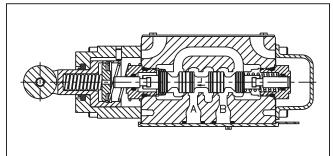
- Choice of 2 cam roller positions (D1VC and D1VD)
- Two styles available (D1VC and D1VG)
- Short stroke option

### **Specifications**

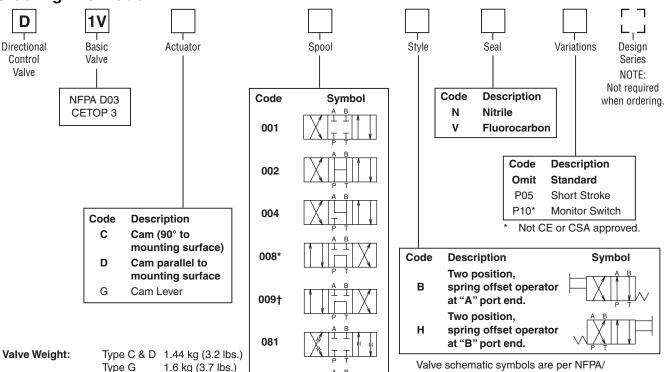
<b>Mounting Pattern</b>	NFPA D03, CETOP 3, NG 6		
Maximum	Operating: 345 Bar (5000 PSI)		
Pressure	Tank Line: 34 Bar (500 PSI)		
Nominal Flow	32 LPM (8.5 GPM)		
Maximum Flow	See Reference Data		
Force Required	D1VC, D1VD: 107 N (24 lbs.)		
to Shift	D1VG: 36 N (8 lbs.)		
Maximum Cam Angle	30°		







#### **Ordering Information**



Standard Bolt Kit: BK209 1-24x1.25 Metric Bolt Kit: BKM209 M5-0.8x30mm

Seal Kit:

Nitrile SKD1VC SKD1VCV Fluorocarbon

008 spool has closed crossover. † 009 spool has open crossover.

**Bold: Designates Tier I products and options.** 

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





ANSI standards, providing flow P to A when

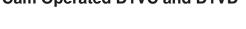
energized. Note flow paths reverse sides for

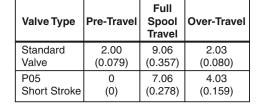
#008 and #009 spools.

082

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

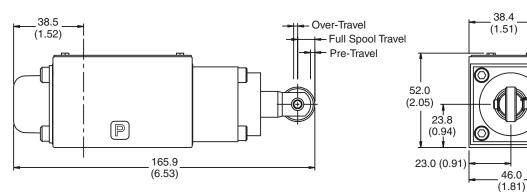
### Cam Operated D1VC and D1VD





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Note: For D1VD, Cam Rotated 90°

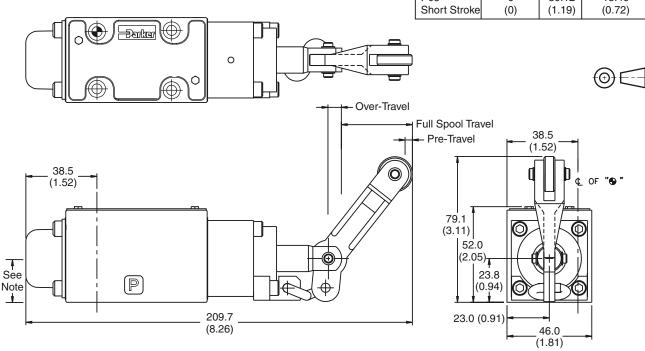


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**Note:** 22.0 mm (0.87") from bottom of bolt hole counterbore to bottom of valve.

## **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.

