Parker D10P Series Oil Operated Directional Control Valve Service Manual

General Description

Series D10P directional control valves are 5-chamber, pilot operated valves. They are available in 2 or 3-position styles. These valves are manifold or subplate mounted, and conform to NFPA's D10, CETOP 10 mounting pattern.

Features

• Low pressure drop design.

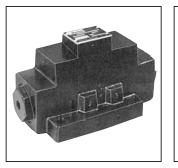
Ordering Information

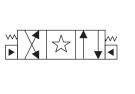
• Hardened spools provide long life.

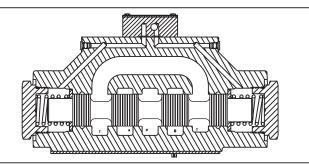
Specifications

Mounting Pattern	NFPA D10, CETOP 10, NG32
Max. Operating Pressure	207 Bar (3000 PSI)
Max. Tank Line Pressure	207 Bar (3000 PSI)
Max. Drain Pressure	207 Bar (3000 PSI)
Min. Pilot Pressure	4.4 Bar (65 PSI)
Max. Pilot Pressure	207 Bar (3000 PSI)
Nominal Flow	378 LPM (100 GPM)
Maximum Flow	See Reference Chart

For flow path, pilot drain and pilot pressure details, see Installation Information.





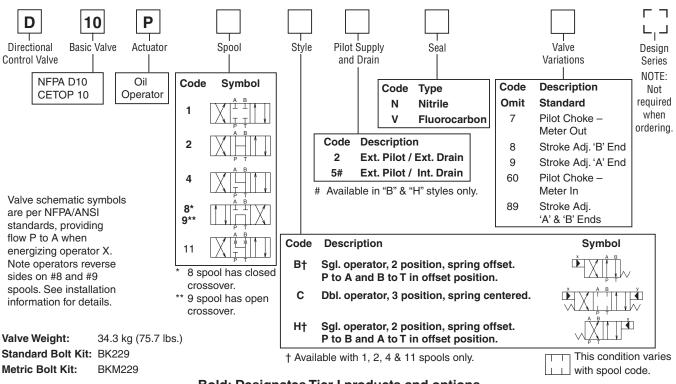


Response Time

Response time will vary with pilot line size, pilot line length, pilot pressure shift time and flow capacity of the control valve.

Shift Volume

The pilot chamber requires a volume of 1.51 in^3 (24.75 cc) for center to end.

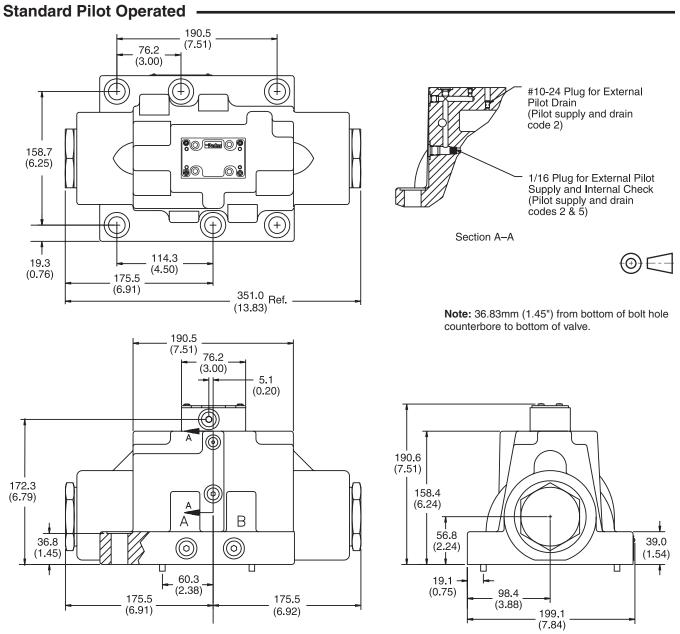


Bold: Designates Tier I products and options.

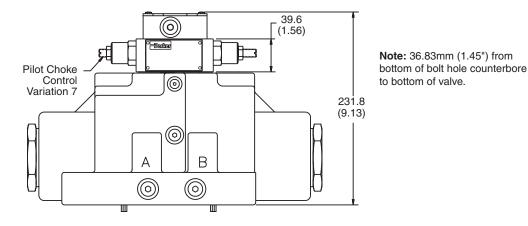
Non-Bold: Designates Tier II products and options. These products will have longer lead times. D101.indd, dd



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



Pilot Operated with Pilot Choke Control



D101.indd, dd



Parker Hannifin Corporation Hydraulic Valve Division Elyria, Ohio, USA