

# Parker Product Datasheet



The hydraulically operated directional control valves series D1VP (NG06 / CETOP 03 / NFPA D03) and D3DP (NG10 / CETOP 05 / NFPA D05) ensure safe shifting and provide a wide range of spool options.

**PART NUMBER:** D1VP020HN90  
**SEAL MATERIAL:** NBR  
**PORT CONNECTION:** NG06 / CETOP 03  
**SPOOL POSITION:** 2 positions, spring offset in position a, operated in position b  
**PILOT PORT TYPE:** Direct via X, Y or pipe thread G1/4  
**MARKING:** Standard  
**SPOOL CODE:** 020

## PRODUCT OVERVIEW

The directional control valves series D1VP and D3DP are hydraulically operated and provide high functional limits (D1VP: up to 60 l/min, D3DP: 130 l/min) for safe operation also at high flow rates. They feature safe shifting and fit all hydraulic systems due to a wide range of spool options.

### D1VP

The hydraulically operated directional control valve series D1VP (NG06 / CETOP 03 / NFPA D03) is available in two different designs:

- D1VP\*4L for operating pressure >10 bar (over tank pressure) with control ports in the end caps
- D1VP\*90 for operating pressure >15 bar with control ports in the end caps and mounting interface (X, Y)

### D3DP

The hydraulically operated directional control valve series D3DP (NG10 / CETOP 05 / NFPA D05) is operated via mounting interface (X, Y).

Markets:

- Industrial

Features/Benefits:

- Compact, proven design that represents our long-term experience in hydraulics
- Wide range of spools and spool options - fits all hydraulic systems
- High functional limits - low forces resulting in safe operation also at high flow rates
- Shortest delivery time - no warehousing necessary

Applications:

- Suitable for general hydraulic applications

Technical specifications:

The shifting time of both valves is depending on the pilot pressure. For safe operation the minimum pilot pressure has to be ensured in all operating conditions. The maximum pilot pressure varies from the maximum operating pressure in some sizes.

## TECH SPECIFICATIONS

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| <b>MAXIMUM OPERATING TEMPERATURE</b> | 60 °C                                   |
| <b>DIVISION</b>                      | Hydraulic Valve Systems Division Europe |
| <b>MAXIMUM OPERATING PRESSURE</b>    | 350 bar                                 |
| <b>MINIMUM OPERATING TEMPERATURE</b> | -25 °C                                  |
| <b>FOR FLUID TYPE</b>                | Hydraulic Oil According to DIN 51524    |
| <b>BODY MATERIAL</b>                 | Cast Iron                               |
| <b>PRODUCT SERIES</b>                | Directional Control Valve               |
| <b>SEAL MATERIAL</b>                 | NBR                                     |
| <b>WEIGHT</b>                        | 1.3 kg                                  |
| <b>MAXIMUM FLOW RATE</b>             | 60 L/min                                |

|                          |                       |
|--------------------------|-----------------------|
| <b>MOUNTING TYPE</b>     | Subplate              |
| <b>FUNCTION</b>          | 2-way                 |
| <b>ACTUATION TYPE</b>    | Hydraulic Pressure    |
| <b>OPERATION TYPE</b>    | Direct                |
| <b>MOUNTING POSITION</b> | Unrestricted          |
| <b>MOUNTING POSITION</b> | Preferably Horizontal |