

Parker Product Datasheet



The direct operated directional control valves series D1VL (NG06 / CETOP 03 / NFPA D03) and D3DL (NG10 / CETOP 05 / NFPA D05) with hand lever provide high flow and feature a wide range of spool options.

PART NUMBER: D1VL020DN4J

SEAL MATERIAL: NBR

SPOOL CODE: 020

PORT CONNECTION: NG06 / CETOP 03

SWITCHING OPTION: Center of rotation below spool axis

ACTUATION: Hand lever side B

SPOOL POSITION: 2 positions, detent, operated in position a or b, no center, no offset position

PRODUCT OVERVIEW

The direct operated directional control valves series D1VL and D3DL with hand lever provide high functional limits (D1VL: up to 80 l/min, D3DL: up to 130 l/min) for safe operation also at high flow rates. Additionally they fit all hydraulic systems due to a large number of spool options.

Markets:

- Industrial

Features/Benefits:

- Compact, proven design that represents our long-term experience in hydraulics
- Wide range of spool options - fits all hydraulic systems
- All hand lever parts are made of stainless steel - for use even under rough conditions
- High functional limits – low forces resulting in safe operation also at high flow rates

- Shortest delivery time - no warehousing necessary
- Two different switching logic options

Applications:

- Suitable for general hydraulic applications

Technical specifications:

The D1VL is a 3 chamber 4/3 or 4/2 way directional control valve. The D3DL is a 5 chamber 4/3 or 4/2 way directional control valve. Both are equipped with a hand lever which is directly connected to the spool and can be located either on the A or B side. Spring offset and detent designs are available.

TECH SPECIFICATIONS

FOR FLUID TYPE	Hydraulic Oil According to DIN 51524
MOUNTING TYPE	Subplate
MAXIMUM FLOW RATE	80 L/min
WEIGHT	1.4 kg
SEAL MATERIAL	NBR
MOUNTING POSITION	Unrestricted
OPERATION TYPE	Direct
MAXIMUM OPERATING PRESSURE	350 bar
FUNCTION	2-way
MINIMUM OPERATING TEMPERATURE	-25 °C
PRODUCT SERIES	Directional Control Valve
ACTUATION TYPE	Manual
MAXIMUM OPERATING TEMPERATURE	60 °C
BODY MATERIAL	Cast Iron
DIVISION	Hydraulic Valve Systems Division Europe

MOUNTING POSITION

Preferably Horizontal