

Parker Product Datasheet



The D1VW in NG06 (CETOP 03) is an on/off valve which provides high functional limits in combination with a very low, energy-saving pressure drop. It is optionally available with soft shift option or as explosion proof version according to ATEX and IECEx.

PART NUMBER: D1VW020HVJW
SEAL MATERIAL: FPM
ORIFICE SIZE: na
INPUT VOLTAGE: 24 VDC
SPOOL POSITION: 2 positions, spring offset in position a, operated in position b
SOLENOID OPTION: Standard
MARKING: Standard
SPOOL CODE: 020

PRODUCT OVERVIEW

The directional control valve series D1VW in NG06 (CETOP 03 / NFPA D03) provides high functional limits up to 80 l/min in combination with a very low, energy-saving pressure drop due to optimized flow passages. The maximum pressure is 350 bar.

A wide variety of spools and options allows to design an unlimited number of hydraulic circuits. The D1VW is available with a soft shift option for smooth operation. An additional orifice in the solenoid anchor dampens the shifting time.

The D1VW*EE with explosion proof solenoids is based on the standard D1VW series. It is not only ATEX certified (explosion proof class is Ex e mb II T4 Gb for use in zone 1 and 2) but also equipped with IECEx compliant solenoids which are certified in accordance with IECEx standard

for equipment class 2 G. All explosion proof solenoids are DC design. The valves for AC operate with integrated rectifier.

Markets:

- Industrial

Features/Benefits:

- Compact, proven design that represents our long-term experience in hydraulics
- Wide range of spools - fits all hydraulic systems
- Shortest lead time - no warehousing necessary
- Optional soft shift option - for smooth operation
- Optional manual override
- Optional ex proof version

Applications:

- Suitable for general hydraulic applications

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	350 bar
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Water-Glycol
CONNECTION TYPE	Connector as per EN 175301-803
BODY MATERIAL	Cast Iron
PRODUCT SERIES	Directional Control Valve
SEAL MATERIAL	FPM
WEIGHT	1.5 kg
MAXIMUM FLOW RATE	70 L/min
MOUNTING TYPE	Subplate

FUNCTION	3-Way
ACTUATION TYPE	Solenoid
OPERATION TYPE	Direct
PORT CONNECTION	NG06 / CETOP 03
MOUNTING POSITION	Unrestricted
MOUNTING POSITION	Preferably Horizontal