

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: D1VW020DNJEE
SEAL MATERIAL: NBR
ORIFICE SIZE: na
INPUT VOLTAGE: 24 VDC
SPOOL POSITION: 2 positions, operated in position a or b, no center position, no offset position
SOLENOID OPTION: Explosion proof solenoids Ex e mb II T4Gb + IECEx conformity
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	-25 °C
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524
CONNECTION TYPE	Explosion Proof with Cable Glands
BODY MATERIAL	Cast Iron
PRODUCT SERIES	Directional Control Valve
SEAL MATERIAL	NBR
WEIGHT	2.7 kg
MAXIMUM FLOW RATE	60 L/min
MOUNTING TYPE	Subplate

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