

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: D1VW021CNJW
SEAL MATERIAL: NBR
INPUT VOLTAGE: 24 VDC
MARKING: Standard
SPOOL CODE: 021
SPOOL POSITION: 3 positions, spring offset in position 0, operated in position a or b
ORIFICE SIZE: na
SOLENOID OPTION: Standard

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

DIVISION	Hydraulic Valve Systems Division Europe
CONNECTION TYPE	Connector as per EN 175301-803
OPERATION TYPE	Direct
MOUNTING POSITION	Preferably Horizontal
MAXIMUM FLOW RATE	80 L/min
MINIMUM OPERATING TEMPERATURE	-20 °C
PORT CONNECTION	NG06 / CETOP 03
MAXIMUM OPERATING PRESSURE	350 bar
MOUNTING POSITION	Unrestricted
WEIGHT	2.1 kg
FUNCTION	3-Way
SEAL MATERIAL	FPM
MOUNTING TYPE	Subplate

BODY MATERIAL	Cast Iron
MAXIMUM OPERATING TEMPERATURE	60 °C
PRODUCT SERIES	Directional Control Valve
FOR FLUID TYPE	Water-Glycol
ACTUATION TYPE	Solenoid