

# 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:** D1VW001KNKW  
**SEAL MATERIAL:** NBR  
**ORIFICE SIZE:** na  
**INPUT VOLTAGE:** 12 VDC  
**SPOOL POSITION:** 2 positions, spring offset in position 0, operated in position b  
**SOLENOID OPTION:** Standard  
**MARKING:** Standard  
**SPOOL CODE:** 001

## 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

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| <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>CONNECTION TYPE</b>               | Connector as per EN 175301-803          |
| <b>BODY MATERIAL</b>                 | Cast Iron                               |
| <b>PRODUCT SERIES</b>                | Directional Control Valve               |
| <b>SEAL MATERIAL</b>                 | NBR                                     |
| <b>WEIGHT</b>                        | 1.5 kg                                  |
| <b>MAXIMUM FLOW RATE</b>             | 80 L/min                                |
| <b>MOUNTING TYPE</b>                 | Subplate                                |

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