

# Parker Product Datasheet



The NG06 direct operated directional control valve D1VW with inductive position control provides high functional limits up to 80 l/min in combination with a low, energy saving pressure drop. It is typically used in safety relevant applications.

**PART NUMBER:** D1VW004CNJWTI6N  
**SEAL MATERIAL:** NBR  
**INPUT VOLTAGE:** 24 V DC  
**SPOOL POSITION:** 3 positions, spring offset in position 0, operated in position a or b  
**SOLENOID OPTION:** Without manual override  
**SPOOL CODE:** 004  
**POSITION CONTROL TYPE:** Start positions

## PRODUCT OVERVIEW

Parker's direct operated directional control valve series D1VW with inductive position control in NG06 (CETOP 03 / NFPA D03) features low energy losses due to optimized flow passages. It offers high functional limits up to 80 l/min and a maximum pressure of 350 bar.

This on/off valve is typically used in safety relevant applications. It complies with the machinery directive 2006/42/EG for use as clamping valve according to EN 201:2010. The start or the end position can be monitored. The position control is available for single and double solenoid valves.

Markets:

- Industrial
- Molding

#### Features/Benefits:

- High functional limits – low forces resulting in safe operation also at high flow rates
- Low pressure drop – resulting in low energy losses in operation
- Wide product offering – many different options – all valves from one single source
- Short delivery time – no warehousing necessary

#### Applications:

- All types of safety relevant applications
- Injection molding (safety component according to machinery directive 2006/42/EG)

#### Attention:

The adjustment of the position control is factory set and sealed. Replacement and repairs can only be undertaken by Parker.

The fail-safe position of the directional valve during power failure is the spring offset or center position.

## TECH SPECIFICATIONS

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| <b>MAXIMUM OPERATING TEMPERATURE</b> | 60 °C                                   |
| <b>DIVISION</b>                      | Hydraulic Valve Systems Division Europe |
| <b>MAXIMUM OPERATING PRESSURE</b>    | T: 210 bar                              |
| <b>MAXIMUM OPERATING PRESSURE</b>    | P, A, B: 350 bar                        |
| <b>MINIMUM OPERATING TEMPERATURE</b> | -20 °C                                  |
| <b>FOR FLUID TYPE</b>                | Hydraulic Oil According to DIN 51524    |
| <b>BODY MATERIAL</b>                 | Cast Iron                               |
| <b>SEAL MATERIAL</b>                 | NBR                                     |
| <b>WEIGHT</b>                        | 3.8 kg                                  |
| <b>MAXIMUM FLOW RATE</b>             | 30 to 80 L/min                          |
| <b>MOUNTING TYPE</b>                 | Sub-base                                |
| <b>MOUNTING TYPE</b>                 | Manifold                                |

|                                    |                         |
|------------------------------------|-------------------------|
| <b>FUNCTION</b>                    | 3-way                   |
| <b>ACTUATION TYPE</b>              | Solenoid                |
| <b>PORT CONNECTION</b>             | NG06 / CETOP 03         |
| <b>CONFIGURATION</b>               | Directional spool valve |
| <b>MAXIMUM AMBIENT TEMPERATURE</b> | 60 °C                   |
| <b>MINIMUM AMBIENT TEMPERATURE</b> | -25 °C                  |
| <b>MAXIMUM FLUID TEMPERATURE</b>   | 70 °C                   |
| <b>MINIMUM FLUID TEMPERATURE</b>   | -20                     |
| <b>MAXIMUM KINEMATIC VISCOSITY</b> | 400 cSt                 |
| <b>MINIMUM KINEMATIC VISCOSITY</b> | 2.8 cSt                 |
| <b>FILTER EFFICIENCY RATING</b>    | ISO 4406; 18/16/13      |