

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: D1VW001KNJWTI4N
SEAL MATERIAL: NBR
INPUT VOLTAGE: 24 V DC
SPOOL POSITION: 2 positions, spring offset in position 0, operated in position b
SOLENOID OPTION: Without manual override
SPOOL CODE: 001
POSITION CONTROL TYPE: Start position monitored side A

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

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	P, A, B: 350 bar
MAXIMUM OPERATING PRESSURE	T: 210 bar
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524
BODY MATERIAL	Cast Iron
SEAL MATERIAL	NBR
WEIGHT	1.8 kg
MAXIMUM FLOW RATE	80 L/min
MOUNTING TYPE	Manifold
MOUNTING TYPE	Sub-base

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