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: D1VW004CNJWI6N
SEAL MATERIAL: NBR
SPOOL CODE: 004
INPUT VOLTAGE: 24 V DC
SPOOL POSITION: 3 positions, spring offset in position 0, operated in position a or b
POSITION CONTROL TYPE: Start positions
SOLENOID OPTION: With manual override

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

SEAL MATERIAL	NBR
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524
MINIMUM OPERATING TEMPERATURE	-20 °C
MAXIMUM OPERATING PRESSURE	P, A, B: 350 bar
MINIMUM FLUID TEMPERATURE	-20
MAXIMUM FLOW RATE	30 to 80 L/min
BODY MATERIAL	Cast Iron
MAXIMUM FLUID TEMPERATURE	70 °C
MAXIMUM KINEMATIC VISCOSITY	400 cSt
MAXIMUM OPERATING PRESSURE	T: 210 bar
MOUNTING TYPE	Manifold
MINIMUM KINEMATIC VISCOSITY	2.8 cSt
PORT CONNECTION	NG06 / CETOP 03

MOUNTING TYPE	Sub-base
FILTER EFFICIENCY RATING	ISO 4406; 18/16/13
MAXIMUM OPERATING TEMPERATURE	60 °C
MAXIMUM AMBIENT TEMPERATURE	60 °C
ACTUATION TYPE	Solenoid
WEIGHT	3.8 kg
CONFIGURATION	Directional spool valve
FUNCTION	3-way
MINIMUM AMBIENT TEMPERATURE	-25 °C
DIVISION	Hydraulic Valve Systems Division Europe