

Parker Product Datasheet



The NG10 direct operated directional control valve series D3W with inductive position control provides high functional limits up to 150 l/min in combination with a low, energy saving pressure drop. It is typically used in safety relevant applications.

PART NUMBER: D3W020BNJWI5N
SEAL MATERIAL: NBR
INPUT VOLTAGE: 24 V DC
SPOOL POSITION: 2 positions, spring offset in position b, operated in position a
SOLENOID OPTION: With manual override
SPOOL CODE: 020
POSITION CONTROL TYPE: Start position monitored side B

PRODUCT OVERVIEW

Parker's NG10 direct operated directional control valve series D3W with inductive position control provides high functional limits up to 150 l/min in combination with a low, energy saving pressure drop. 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 fail-safe position of the directional valve during power failure is the spring offset position.

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.

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	T: 210 bar
MAXIMUM OPERATING PRESSURE	P, A, B: 350 bar
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Hydraulic Oil
BODY MATERIAL	Cast Iron
PRODUCT SERIES	Directional Control Valve
SEAL MATERIAL	NBR
WEIGHT	5.2 kg
MAXIMUM FLOW RATE	150 L/min
MOUNTING TYPE	Subplate
FUNCTION	3-way
ACTUATION TYPE	Solenoid
OPERATION TYPE	Direct

PORT CONNECTION	NG10 / CETOP 05
MOUNTING POSITION	Unrestricted
MOUNTING POSITION	Preferably Horizontal