

Parker Product Datasheet



The directional control valve series D1VW 8 Watt is based on the standard D1VW design. The low watt, low current solenoid (< 0.5 A) of this on/off valve allows a direct connection to a PLC.

PART NUMBER: D1VW020BVJDLJ5

SEAL MATERIAL: FPM

FUNCTION: Directional Control

CONFIGURATION: na

SPOOL POSITION: 2 positions, spring offset in position b, operated in position a

SOLENOID CONNECTION: M12x1 on coil as per IEC 61076-2-101

ELECTRICAL PART OPTION: M12 pin assignment DESINA design, pins 1 and 2 connected

SPOOL CODE: 020

PRODUCT OVERVIEW

The directional control valve series D1VW 8 Watt in NG06 (CETOP 03 / NFPA D03) enables direct connections to a programmable logic controller (PLC) or a bus knot and thus saves the use of a relay. This on/off valve provides high functional limits up to 60 l/min in combination with a very low, energy-saving pressure drop due to optimized flow passages. The maximum pressure is 350 bar.

Markets:

- Industrial

Features/Benefits:

- Compact, proven design that represents our long-term experience in hydraulics
- Low pressure drop – resulting in low energy losses in operation

- Wide range of spools - fits all hydraulic systems
- Shortest lead time - no warehousing necessary

Applications:

- Machine tools

D1VW 8 Watt valves are offered with standard solenoid connection (as per EN175301-803) and M12 x 1 connection. The version with M12 x 1 connection and LEDs is conform to the DESINA standard (DistributEd and Standardised INStAllation technology) for machine tools and manufacturing systems.

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	350 bar
MINIMUM OPERATING TEMPERATURE	-25 °C
FOR FLUID TYPE	Water-Glycol
PRODUCT SERIES	Directional Control Valve
SEAL MATERIAL	FPM
WEIGHT	1.5 kg
MAXIMUM FLOW RATE	60 L/min
MOUNTING TYPE	Subplate
FUNCTION	2-way
ACTUATION TYPE	Solenoid
OPERATION TYPE	Direct
POWER CONSUMPTION	8 W
INPUT VOLTAGE	24 VDC
PORT CONNECTION	NG06 / CETOP 03

CONFIGURATION	Directional spool valve
MOUNTING POSITION	Preferably Horizontal
MOUNTING POSITION	Unrestricted
MAXIMUM AMBIENT TEMPERATURE	60 °C
MINIMUM AMBIENT TEMPERATURE	-25 °C
MAXIMUM FLUID TEMPERATURE	70 °C
MINIMUM FLUID TEMPERATURE	-20 °C
MAXIMUM KINEMATIC VISCOSITY	400 cSt
MINIMUM KINEMATIC VISCOSITY	2.8 cSt
FILTER EFFICIENCY RATING	ISO 4406; 18/16/13