

Parker Product Datasheet



The durable proportional pressure reducing valve D1FV OBE in NG06 (CETOP 03) features a very good pressure control behaviour. The digital onboard electronics is situated in a robust metal housing and provides a wide range of available commands.

PART NUMBER: D1FVE02CC0NM03

SEAL MATERIAL: NBR

FUNCTION: 0 - +10 V = P-B

PRESSURE CONTROL RANGE: 25

SPOOL POSITION: Operated in position a or b

SOLENOID CONNECTION: 6 + PE

SIGNAL INPUT: 0 - ± 10 V

PRODUCT OVERVIEW

The robust proportional pressure reducing valve series D1FV with onboard electronics in size NG06 / CETOP 03 is perfectly suitable for precise pilot controls and therefore optimized process accuracy due to its excellent pressure control behaviour.

Markets

- Industrial

Features/Benefits:

- Robust, proven design that represents our long-term experience in hydraulics
- Outstanding pressure behaviour - ideal for pilot controls
- Low hysteresis - ensures high repeatability and thus improved process and product accuracy
- Wide range of available commands - universally applicable

- Short delivery time - no warehousing necessary
- Manual override - allows to actuate the valve without current
- Barometric feedback
- Pressure stages 25 bar and 45 bar

Applications:

- Suitable for general hydraulic applications

Technical specifications:

The D1FV OBE controls the pressure in the A- or B-ports using the barometric feedback principle. The digital onboard electronics is situated in a robust metal housing which allows the usage under rough environmental conditions. The nominal values are factory set. The cable for connection to a serial RS232 interface is available as accessory. The value parameters can be edited with the common ProPxD software.

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
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MAXIMUM OPERATING PRESSURE	350 bar
MINIMUM OPERATING TEMPERATURE	-25 °C
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524...535
CONNECTION TYPE	Central connection 6 + PE acc. to EN 175201-804
MEDIA	Hydraulic Oil
APPLICATION	Industrial Hydraulic
BRAND	Parker
TECHNOLOGY	Hydraulics
BODY MATERIAL	Cast Iron
SEAL MATERIAL	NBR

WEIGHT	2.9 kg
MAXIMUM FLOW RATE	10 L/min
MOUNTING TYPE	Subplate
FUNCTION	3-way
VALVE TYPE	Proportional Pressure Reducing Valve
ACTUATION TYPE	Proportional
ACTUATION TYPE	Solenoid
OPERATION TYPE	Direct
INPUT VOLTAGE	VDC
PORT CONNECTION	NG06 / CETOP 03
MOUNTING POSITION	Unrestricted
ELECTRONICS TYPE	Onboard electronics
MAXIMUM AMBIENT TEMPERATURE	60 °C
MINIMUM AMBIENT TEMPERATURE	-20 °C
MAXIMUM FLUID TEMPERATURE	60 °C
MINIMUM FLUID TEMPERATURE	-25 °C
MAXIMUM KINEMATIC VISCOSITY	400 cSt
MINIMUM KINEMATIC VISCOSITY	20 cSt
INGRESS PROTECTION RATING	IP65 in accordance with EN 60529
FILTER EFFICIENCY RATING	ISO 4406; 18/16/13
HYSTERESIS	< 4 %
MOUNTING STYLE	CETOP RP121
MOUNTING STYLE	NFPA
MOUNTING STYLE	ISO 4401
MOUNTING STYLE	DIN 24340