

Parker Product Datasheet



The robust and durable proportional pressure reducing valve series D1FV in NG06 (CETOP 03) provides a very good pressure control behaviour. It is optionally available as explosion proof version according to ATEX and IECEx.

PART NUMBER: D1FVE02CC0NKW3
SPOOL POSITION: Operated in position a or b
SOLENOID OPTION: 12 V / 2.2 A
SOLENOID CONNECTION: Connector as per EN 175301-803
PRESSURE CONTROL RANGE: 25
SEAL MATERIAL: NBR

PRODUCT OVERVIEW

The robust proportional pressure reducing valve series D1FV in size NG06 / CETOP 03 is predestined for precise pilot controls due to its excellent pressure control behaviour, resulting in an optimized process accuracy.

D1FV*EE

The D1FV*EE with explosion proof solenoids is based on the standard D1FV series. It is not only ATEX certified (explosion proof class is Ex e mb II T4 Gb for use in zone 1 and 2) but also equipped with IECEx compliant solenoids which are certified in accordance with IECEx standard for equipment class 2 G.

Markets

- Industrial

Features/Benefits:

- Robust, proven design that represents our long-term experience in hydraulics
- Outstanding pressure behaviour - perfectly suitable for pilot controls
- Low hysteresis - ensures high repeatability and thus improved process and product accuracy
- Short delivery time - no warehousing necessary
- Manual override - allows to actuate the valve without current
- Barometric feedback
- Pressure stages 25 bar and 45 bar
- Optional for D1FV*EE: Coil to permit ambient temperature up to +60 °C, modification XG371

Applications:

- Suitable for general hydraulic applications

Technical specifications:

The D1FV controls the pressure in the A- or B-ports using the barometric feedback principle. The parameters can be saved, changed and duplicated in combination with the digital power amplifier PWD00A-400. The value parameters can be edited with the common ProPxD software.

TECH SPECIFICATIONS

MAXIMUM FLOW RATE	10 L/min
MAXIMUM OPERATING TEMPERATURE	60 °C
FUNCTION	3-way
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524...535
MAXIMUM OPERATING PRESSURE	350 bar
PRODUCT SERIES	Proportional DC Valve
MOUNTING POSITION	Unrestricted
FILTER EFFICIENCY RATING	ISO 4406 18/16/13
CONNECTION TYPE	Connector as per EN 175301-803
MINIMUM OPERATING TEMPERATURE	-25 °C
PORT CONNECTION	NG06 / CETOP 03

SEAL MATERIAL	NBR
WEIGHT	2.2 kg
DIVISION	Hydraulic Valve Systems Division Europe
OPERATION TYPE	Direct
ACTUATION TYPE	Proportional solenoid
INPUT VOLTAGE	VDC
TECHNOLOGY	Hydraulics
BRAND	Parker
MOUNTING TYPE	Subplate
MOUNTING STYLE	CETOP RP121
DIVISION	Hydraulic Valve Systems Division Europe
MINIMUM AMBIENT TEMPERATURE	-20 °C
FLOW RATE	n/a
MOUNTING STYLE	DIN 24340
MAXIMUM KINEMATIC VISCOSITY	400 cSt
APPLICATION	Industrial Hydraulic
BODY MATERIAL	Cast Iron
MINIMUM FLUID TEMPERATURE	-25 °C
MOUNTING STYLE	ISO 4401
MINIMUM KINEMATIC VISCOSITY	2.8 cSt
MAXIMUM AMBIENT TEMPERATURE	60 °C
MOUNTING STYLE	NFPA
MAXIMUM FLUID TEMPERATURE	60 °C
MEDIA	Hydraulic Oil
VALVE TYPE	Proportional Pressure Reducing Valve
ELECTRONICS TYPE	external

MAXIMUM PRESSURE SETTING n/a