

Parker Product Datasheet



The pilot valve with proportional relief function series RPDM for sandwich mounting is a part of the wide Parker pilot control range for DIN cartridge valves. It provides a fast response time and low pressure drop due to its powerful solenoid.

PART NUMBER: RPDM2PT17XV
FUNCTION: Pressure relieved from P to T
PRESSURE CONTROL RANGE: 175 bar
SOLENOID OPTION: 16 V / 1.3 A

PRODUCT OVERVIEW

Direct operated proportional pressure relief valves of the series RPDM ensure fast response times and a very low pressure drop for efficient operation. They are typically used as remote control valves for flow rates below 3 l/min. The valves complete Parker's wide pilot control range for DIN cartridge valves. By this modular system, many pressure functions are documented.

Markets:

- Industrial

Features/Benefits:

- Fast response time - optimized process speed
- Low pressure drop - resulting in low energy losses in operation
- Very low pressure adjustment of pmin - predestined as remote control valve for cartridge valve combinations
- 4 pressure stages from 105 to 350 bar - enables fine adjustment
- 2 pressure ports, A and P

- MTTFD value 150 years - ensures long service life
- Short delivery time for most versions - no warehousing necessary
- Flow rate maximum 5 l/min

Applications:

- Suitable for general hydraulic applications

Function:

When the pressure in port P or A exceeds the pressure setting at the solenoid, the cone opens to port T and limits the pressure in port P to the adjusted level. The optimum performance can be achieved in combination with the digital amplifier module PCD00A-400. Also available as valve for subplate mounting, see valves series RE06M*W.

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	350 bar
FLOW RATE	N/A
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Hydraulic oil according to DIN 51524, Water glycol
BODY MATERIAL	Steel
PRODUCT SERIES	Pressure valve
SEAL MATERIAL	FPM
WEIGHT	1.8 kg
MAXIMUM FLOW RATE	5 L/min
MOUNTING TYPE	Sandwich mounting
FUNCTION	Pressure relieved from P to T
ACTUATION TYPE	Proportional
OPERATION TYPE	Direct

PORT CONNECTION	NG06 / CETOP 03
CONFIGURATION	N/A
PRESSURE CONTROL RANGE	175 bar