

Parker Product Datasheet



Proportional pressure reducing valves series PRPM are particularly suitable for machine tools. They provide optimum performance in combination with a digital amplifier module PCD00A.

PART NUMBER: PRPM2PP20KV
SEAL MATERIAL: FPM
FUNCTION: Reduction in port P
PORT CONNECTION: NG06 / CETOP 03
PRESSURE CONTROL RANGE: 200 bar

PRODUCT OVERVIEW

The pilot operated proportional pressure reducing valves series PRPM in size NG06 and NG10 are preferably used for machine tools and provide high flow capacity even for demanding applications. They keep a constant pressure p-red on the secondary side – independent of pressure fluctuations on the primary side. The integrated pressure relief function obviates the need for an additional pressure relief valve on the secondary side and reliefs to tank, if the reduced pressure rises above the setting pressure.

Markets:

- Industrial
- Machine tools

Features/Benefits:

- High flow capacity - optimum efficiency in relation to valve size
- Proportional solenoid - works practically independent of the inlet pressure
- Integrated pressure relief function - makes an additional pressure relief valve on the secondary

side superfluous

- Short delivery time - no warehousing necessary
- 3 pressure stages: 100, 200, 350 bar
- Provides optimum performance in combination with digital amplifier module PCD00A-400

Applications:

- Suitable for general hydraulic applications
- Machine tools

Function:

The PRPM reduces the pressure in output port p-red in proportion to the solenoid current. It works practically independent of the inlet pressure. In non-activated mode, the connection to the tank is fully open with a min. pressure corresponding to the spring force.

The gauge port is connected to the secondary side. Types A and B have an integrated bypass check valve. The PRPM provides optimum performance in combination with a digital amplifier module PCD00A. The parameters are already stored.

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
BODY MATERIAL	Steel
PRODUCT SERIES	Pressure valve
SEAL MATERIAL	FPM
WEIGHT	2 kg
MAXIMUM FLOW RATE	60 L/min
MOUNTING TYPE	Sandwich plate

ACTUATION TYPE	Proportional
OPERATION TYPE	Pilot
ELECTRICAL REQUIREMENTS	Solenoid: 12 V/1320 mA
MAXIMUM PRESSURE SETTING	200 bar