

Parker Product Datasheet



The proportional pressure relief valve series RE06M*T (NG06) with onboard electronics provides a fast response time and low pressure drop. It is based on the functionality of the digital amplifier PCD00.

PART NUMBER: RE06M25T2V1F0
MARKING: Standard
SEAL MATERIAL: FPM
PRESSURE CONTROL RANGE: 250 bar
SIGNAL INPUT: 0-10 V / +10 V

PRODUCT OVERVIEW

Parker's proportional pressure relief valves series RE06M*T (NG06) with onboard electronics ensure fast response times and a very low pressure drop due to a powerful solenoid. Thus they are typically used as remote control valves for flow rates below 3 l/min. The integrated electronics is based on the functionality of the digital amplifier PCD00 and enables a linear signal/pressure curve.

Markets:

- Industrial

Features/Benefits:

- Onboard electronics - enables linearization of signal/pressure curve
- Fast response time and low pressure drop - ensure efficient operation
- Very low pressure adjustment of pmin - predestined as remote control valve for cartridge valve combinations or pumps
- Short delivery time for most versions - no warehousing necessary

- 6 pressure stages - for sensitive control
- 2 pressure inlet ports A and P

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 inlet pressure to the adjusted level.

The pressure adjustment is effected by applying current to the solenoid. The control signal is modulated to the solenoid current by the electronics.

Onboard Electronics:

The digital onboard electronics is situated in a robust metal housing and can be used in rough environments. The nominal values of the valves are factory set. Additionally the ProPxD software permits the editing of all parameters. The software is also used for the digital electronic modules. The cable for connection to a serial RS232C interface is available as accessory.

The electrical connection is available in 2 options:

- Code F: 6 + PE central connection
- +/- 10 V command signal
 - +10 V reference voltage output
- Code R: 6 + PE central connection
- 4...20 mA command signal

TECH SPECIFICATIONS

PRODUCT SERIES	Pressure valve
DIVISION	Hydraulic Valve Systems Division Europe
PORT CONNECTION	NG06 / CETOP 03
FOR FLUID TYPE	Water glycol
MAXIMUM OPERATING PRESSURE	350 bar
PRESSURE CONTROL RANGE	250 bar
MINIMUM OPERATING TEMPERATURE	-20 °C

INTERFACE TYPE	ISO 6264 norm
BODY MATERIAL	Steel
MAXIMUM FLOW RATE	2.5 L/min
ACTUATION TYPE	Solenoid, proportional
MAXIMUM OPERATING TEMPERATURE	60 °C
SEAL MATERIAL	FPM
ELECTRONICS TYPE	Onboard
MOUNTING POSITION	Unrestricted, horizontal mounting preferred
WEIGHT	2.2 kg
MOUNTING TYPE	Subplate mounting
OPERATION TYPE	Direct