

Parker Product Datasheet



Direct operated pressure reducing valves series VM for subplate mounting regulate pressure in one area of a hydraulic circuit at a predetermined level below normal system pressure.

PART NUMBER: VM160A06VG
PORT CONNECTION: NG06 / CETOP 03
PRESSURE CONTROL RANGE: 160 bar
LOCKING MECHANISM: na
GAUGE PORT CONNECTION: G 1/4

PRODUCT OVERVIEW

Parker's versatile direct operated, spring loaded 3-way pressure reducing valves with manual adjustment series VM ensure a precise pressure regulation in one area of a hydraulic circuit at a predetermined level below normal system pressure. Fast response and a very low leakage make the valves in size NG06 particularly suitable for the use in machine tools.

Markets:

- Industrial
- Machine tools

Features/Benefits:

- Wide pressure range - very versatile for various applications
- Fine-tuned pressure stages - enables precise adjustment
- Fast response, low leakage and minimal hysteresis - ensure high process accuracy
- Short delivery time - no warehousing necessary
- 5 pressure stages

- 2 adjustment modes

Applications:

- Suitable for general hydraulic applications
- Machine tools

Function:

Series VM is open in neutral position. The valve closes the connection when the pre-set pressure is exceeded.

Primary port: P

Secondary port: A

Tank port: T

If the pressure increases due to an external influence, the spool opens to port T until the pre-set pressure is reached.

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Hydraulic Valve Systems Division Europe
MAXIMUM OPERATING PRESSURE	350 bar
FLOW RATE	25 L/min
MINIMUM OPERATING TEMPERATURE	-20 °C
BODY MATERIAL	Steel
PRODUCT SERIES	Pressure valve
SEAL MATERIAL	FPM
WEIGHT	1.3 kg
MAXIMUM FLOW RATE	N/A
MOUNTING TYPE	Subplate mounting
ACTUATION TYPE	Manually
OPERATION TYPE	Direct

MAXIMUM PRESSURE SETTING 160 bar