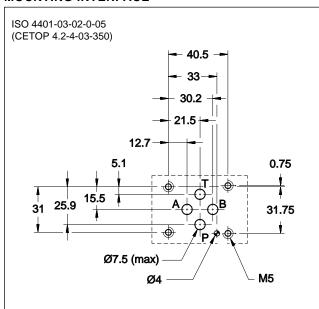


MOUNTING INTERFACE



PERFORMANCES

(measured with mineral oil of viscosity 36cSt at 50°C)

Maximum operating pressure Maximum pressure on port T	bar	350 10
Maximum flow rate in the controlled lines Maximum flow rate in the free lines Drainage flow rate	l/min	50 75 ≤ 0.08
Ambient temperature range	°C	-20 / +60
Fluid temperature range	°C	-20 / +80
Fluid viscosity range	cSt	10 ÷ 400
Fluid contamination degree	According to ISO 4406:1999 class 20/18/15	
Recommended viscosity	cSt	25
Mass	kg	1.6

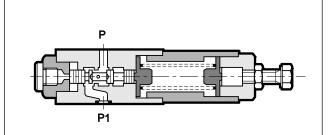
PZM3

DIRECT OPERATED THREE-PORT PRESSURE REDUCING VALVE WITH VARIABLE ADJUSTMENT SERIES 10

MODULAR VERSION ISO 4401-03

p max 350 barQ max (see table of performances)

OPERATING PRINCIPLE



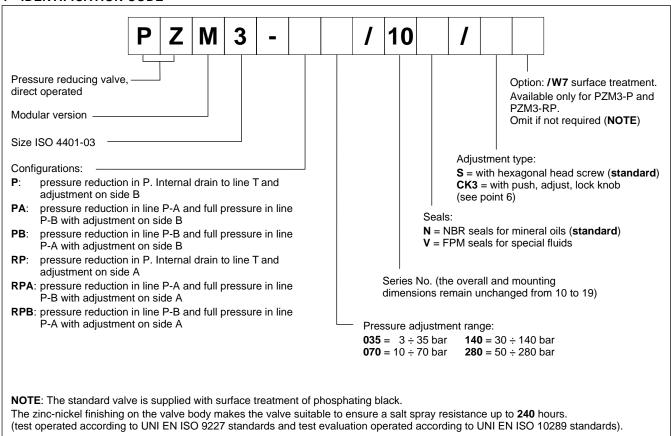
- The PZM3 valve is a three-port, spool type, direct operated pressure reducing valve with variable adjustment.
- It is made in modular version according to the ISO 4401-03 standards, it can be assembled quickly under solenoid valves, without the use of pipes.
- It is normally open and the hydraulic fluid flows freely from P1 port to P port.
- The three-way design provides protection of the secondary circuit from pressure surges since it allows a reverse flow from the actuator to the T discharge line.

The spool is subjected to the pressure in the P path but also to the force of the counter spring. When the pressure in P1 exceeds the spring force, the valving element closes until the pressure is reduced to the set pressure value.

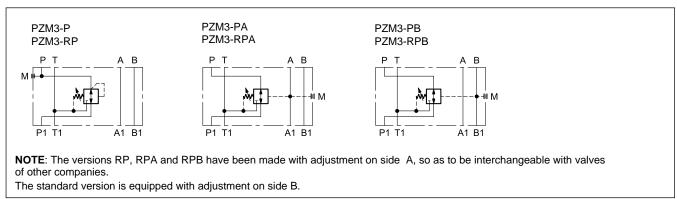
- The valve provides good adjustment sensitivity with reduced drain flow. The drain is connected to path T inside the valve.
- The valve can be supplied with adjustment by hexagonal head screw or by knob.

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1 - IDENTIFICATION CODE

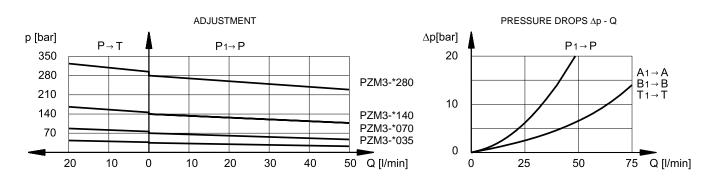


2 - HYDRAULIC SYMBOLS



3 - CHARACTERISTIC CURVES

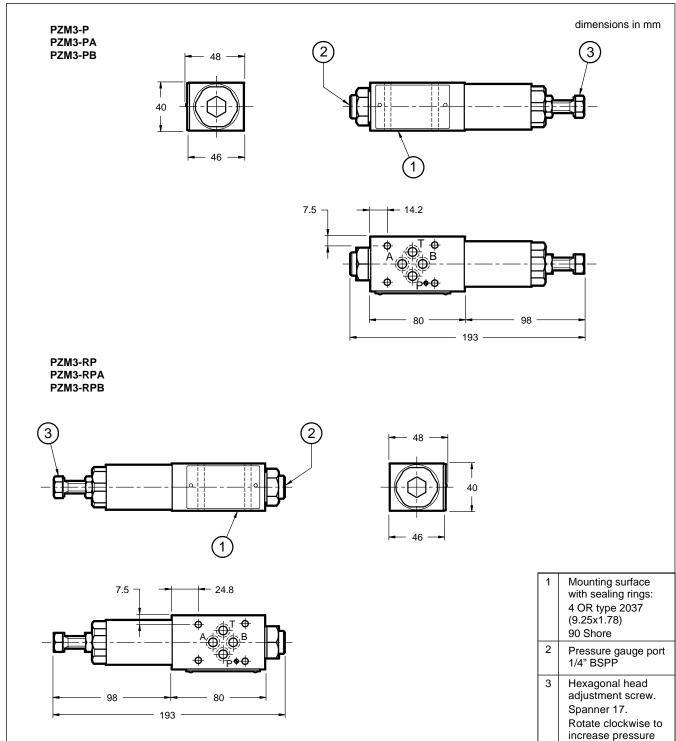
(values obtained with viscosity of 36 cSt at 50°C)



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PZM3

4 - OVERALL AND MOUNTING DIMENSIONS



5 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4. For these fluids, use NBR seals. For fluids HFDR type (phosphate esters) use FPM seals (code V). For the use of other kinds of fluid such as HFA, HFB, HFC, please consult our technical department.

Using fluids at temperatures higher than 80 °C causes a faster degradation of the fluid and of the seals characteristics. The fluid must be preserved in its physical and chemical characteristics.

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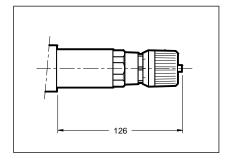


PZM3

6 - ADJUSTMENT KNOB

Valves can be supplied with adjustment knob, which is engaged by pushing and twisting at the same time. When released, the knob disengages to secure the adjustment from involuntary tampering.

Add CK3 in the identification code to order this version (see point 1).





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