





HYDRAULICKÉ SYSTÉMY

UKŁADY HYDRAULICZNE

61 310/314 ED

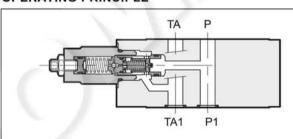
PRM5

PILOT OPERATED PRESSURE RELIEF VALVE SERIES 10

MODULAR VERSION ISO 4401-05 (CETOP 05)

p max 350 barQ max 120 l/min

OPERATING PRINCIPLE



- The PRM5 valve is a pilot operated pressure relief valve made as a modular version with mounting surface according to ISO 4401 (CETOP RP121H) standards.
- It can be assembled with all ISO 4401-05 modular valves without the use of pipes, using suitable tie-rods or bolts.
- Versions are available for single adjustment on one control line, or dual on two control lines and with four different pressure adjustment ranges.
- This valve is used as a hydraulic circuit pressure limiting device.
- It is supplied with an hexagonal head adjustment screw and locking nut. It is also available with knob.



54 50.8 37.3

M6

optional

"T" port

MOUNTING SURFACE

16.7 3.2

ISO 4401-05-04-0-05

CETOP 4.2-4-05-350

21.

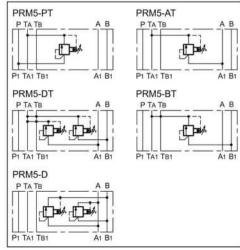
Ø 11.2 (max)

46

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

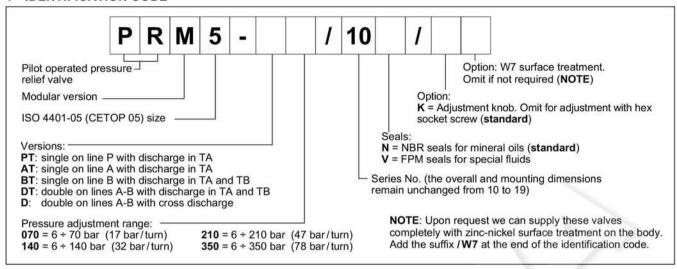
Maximum operating pressure	bar	350
Minimum controlled pressure	bar	see ∆p - Q diagram
Max flow	l/min	120
Ambient temperature range	°C	-20 / +60
Fluid temperature range	°C	-20 / +80
Fluid viscosity range	cSt	10 ÷ 400
Fluid contamination degree	According to ISO 4406:1999 class 20/18/15	
Recommended viscosity	cSt	25
Mass: PRM5-PT, -AT, -BT PRM5-DT, -D	kg	2,8 3

HYDRAULIC SYMBOLS

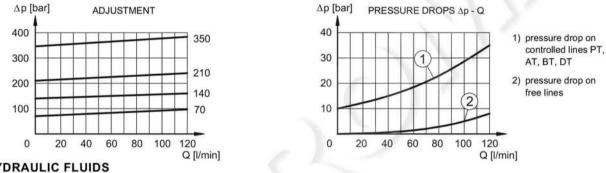


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1 - IDENTIFICATION CODE



2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4. For these fluids, use NBR seals (code N). 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.

4 - OVERALL AND MOUNTING DIMENSIONS

