



MOUNTING INTERFACE



PERFORMANCES

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

Maximum operating pressurebar350Maximum flow rateI/min300Ambient temperature range°C-20 / +60Fluid temperature range°C-20 / +80Fluid viscosity rangecSt10 ÷ 400Fluid contamination degreeAccording to 4406:1999 class 20/18/1525Masskg7,5			
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	Maximum operating pressure	bar	350
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	Maximum flow rate	l/min	300
Fluid contamination degree CSt 10 ÷ 400 Fluid contamination degree According to ISO 4406:1999 class 20/18/15 Recommended viscosity CSt 25	Ambient temperature range	°C	-20 / +60
Fluid contamination degree According to ISO 4406:1999 class 20/18/15 Recommended viscosity cSt 25	Fluid temperature range	°C	-20 / +80
Fluid contamination degree class 20/18/15 Recommended viscosity cSt 25	Fluid viscosity range	cSt	10 ÷ 400
	Fluid contamination degree		
Mass kg 7,5	Recommended viscosity	cSt	25
	Mass	kg	7,5

HYDRAULIC SYMBOL



PRESSURE RELIEF VALVE, PILOT OPERATED SERIES 20

MODULAR VERSION ISO 4401-07

p max 350 barQ max 300 l/min

OPERATING PRINCIPLE



- The PMR7 valve is a pilot operated pressure relief valve made as a modular version with a mounting surface according to ISO 4401-07 standards.
- It can be assembled with all ISO 4401-07 modular valves without the use of pipes, using suitable tie-rods or bolts.
- This valve is used as a hydraulic circuit pressure limiting device.
- It is available with pressure adjustment on port P and relief in T, and five pressure adjustment ranges.
- It is supplied with an adjustment screw. The knob is available as option.



1 - IDENTIFICATION CODE



3 - 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.

PRESSURE DROPS Ap - Q

2 - CHARACTERISTIC CURVES

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

ADJUSTMENT





4 - OVERALL AND MOUNTING DIMENSIONS







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