



Z4M

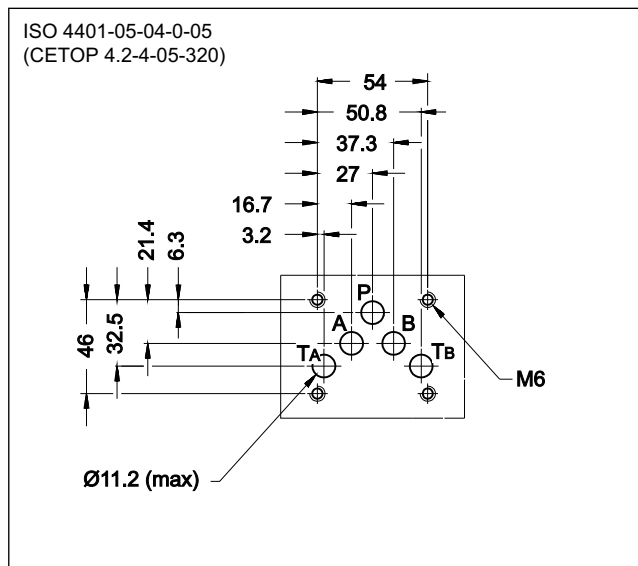
PILOT OPERATED PRESSURE REDUCING VALVE

SERIES 50

MODULAR VERSION ISO 4401-05

p max **320** bar
Q max (see table of performances)

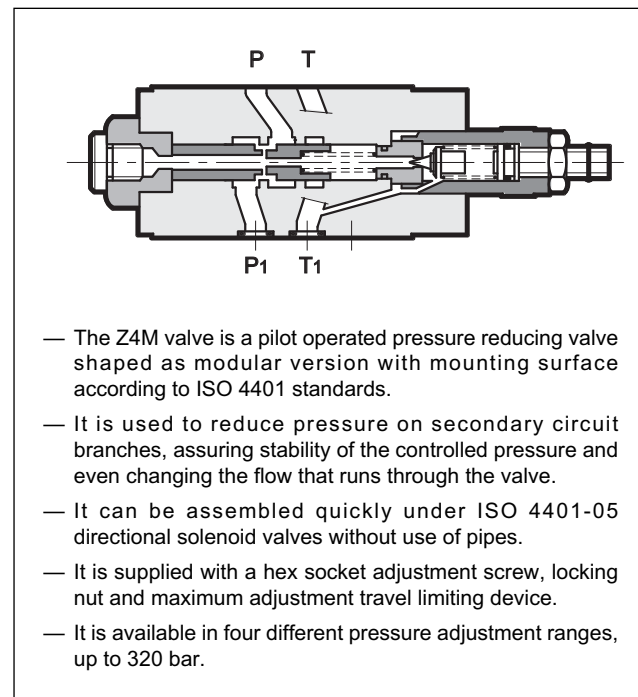
MOUNTING INTERFACE



CONFIGURATIONS (see hydraulic symbols table)

- Z4M*-I: pressure reduction on line P - drainage connected to line T_B.
- Z4M*-A: pressure reduction on line A and full pressure on line B.
- Z4M*-B: pressure reduction on line B and full pressure on line A.

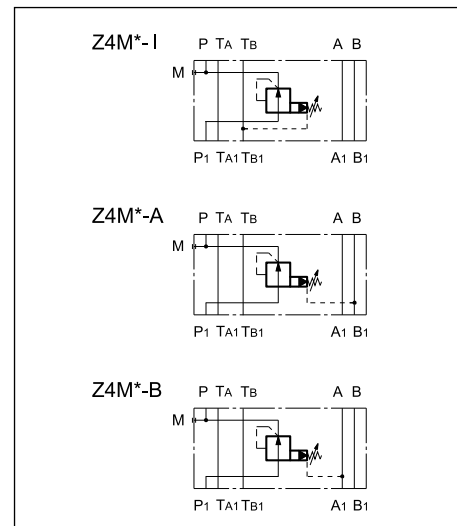
OPERATING PRINCIPLE



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

Maximum operating pressure	bar	320
Maximum flow rate in the controlled line P	l/min	80
Maximum flow rate in the free lines		100
Drainage flow rate		≤ 0,07
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	2,7

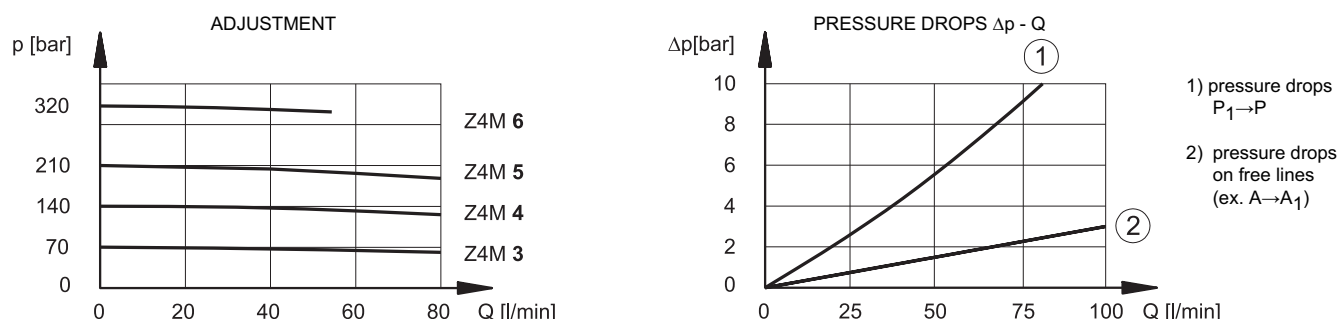
HYDRAULIC SYMBOLS



1 - IDENTIFICATION CODE

Z	4	M	-	/	/	50	/	
Pressure reducing valve	Size: ISO 4401-05	Modular version	Pressure adjustment range:					Seals: omit for mineral oils V = viton for special fluids
			3 = 5 ÷ 70 bar 4 = 8 ÷ 140 bar 5 = 10 ÷ 210 bar 6 = 15 ÷ 320 bar					Series No. (the overall and mounting dimensions remain unchanged from 50 to 59)
								M1 = Adjustment knob (omit for adjustment with countersunk hex screw)
								Configurations: I: pressure reduction on line P. Internal drainage connected to line T _B A: pressure reduction on line A and full pressure on line B B: pressure reduction on line B and full pressure on line A

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. 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

