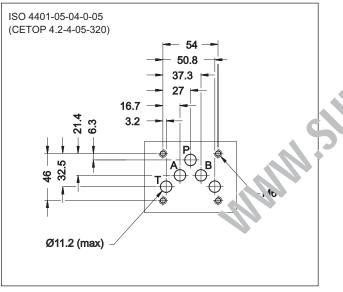
## 62 300/110 ED





#### MOUNTING INTERFACE



#### **CONFIGURATIONS** (see Hydraulic symbols table)

- Z4M\*-I: pressure reduction on line P drainage connected to line T.
- 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.

Maximum operating pressure	bar	320
Maximum flow rate in the controlled line P Maximum flow rate in the free lines Drainage flow rate	l/min	80 100 ≤ 0,07
Ambient temperature range	°C	-20 / +50
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

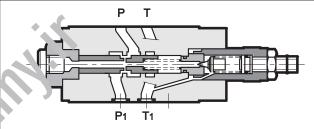
#### PERFORMANCES (measured with mineral oil of viscosity 36cSt at 50°C)

# Z4M PILOT OPERATED PRESSURE REDUCING VALVE SERIES 50

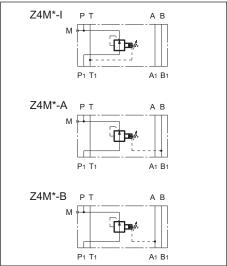
### MODULAR VERSION ISO 4401-05 (CETOP 05)

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

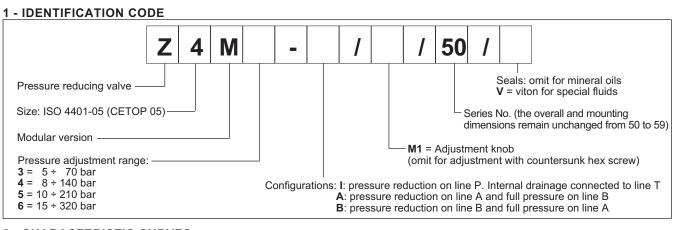
#### **OPERATING PRINCIPLE**



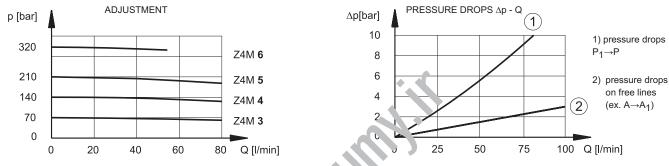
- The Z4M valve is a piloted pressure reducing valve made as a modular version with mounting surface according to the ISO 4401 (CETOP PR 121H) standards.
- It is used to reduce pressure on secondary circuit branches, assuring stability of the controlled pressure and even changing the flow that travels through the valve.
- It can be assembled quickly under the ISO 4401-05 (CETOP 05) directional solenoid valves without use of pipes.
- It is normally supplied with a countersunk hex adjustment screw, locking nut and maximum adjustment travel limiting device.
- It is available in four different pressure adjustment ranges up to 320 bar.



#### HYDRAULIC SYMBOLS



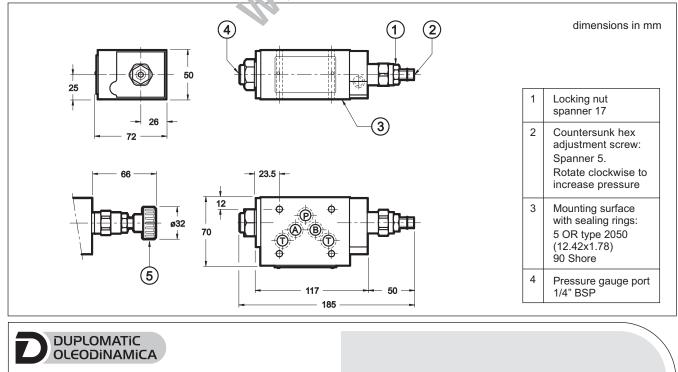
#### 2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



#### **3 - HYDRAULIC FLUIDS**

Use mineral oil-based hydraulic fluids HL or HM type, according to t. O 6743-4. For these fluids, use NBR seals. For fluids HFDR type (phosphate esters) use FPM seals (code V). For the use of c her kinds of fluid such as HFA, HFB, HFC, please consult our technical department. Using fluids at temperatures higher than 80 °C or the a faster degradation of the fluid and of the seals characteristics. The fluid must be preserved in its physical and chemical the fluid of the seals characteristics.

#### 4 - OVERALL AND MOUNTING DIMENSIONS



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