

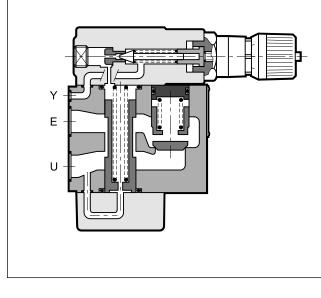


# Z\*-P PRESSURE REDUCING VALVES SERIES 22

## SUBPLATE MOUNTING

Z3-P ISO 5781-06 Z5-P ISO 5781-08

## **OPERATING PRINCIPLE**



 The Z\*-P type valves are used when a branch with a lower pressure than the main one is desired in the hydraulic circuits.

Being normally open, they allow passage of oil up to the point when the outlet pressure is less than that set on the valve; the valve closes and keeps the outlet pressure constant when it reaches the set value. The intake pressure fluctuation, for values greater than the set values, does not affect the reduced outlet pressure, and furthermore the particular design of the valve prevents exceeding the set value even in transients.

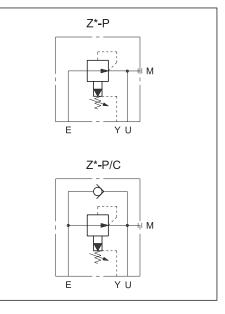
The drainage, to be connected directly to the tank, discharges about 0,8 l/min. The valves are available, upon request, with reduced drainage (0,4 l/min).

 Available even with incorporated check valve upon request, with cracking pressure of 0,5 bar.

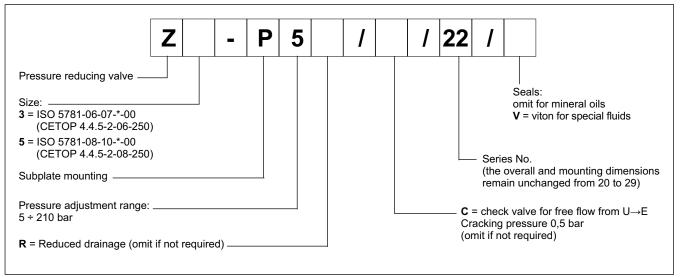
		Z3-P	Z5-P
Maximum operating pressure	bar	250	
Maximum flow rate	l/min	40	110
Drain flow rate: for Z*-P for Z*-P*R	l/min	0,8 0,4	
Ambient temperature range	°C	-20 / +60	
Fluid temperature range	°C	-20 / +80	
Fluid viscosity range	cSt	10 ÷ 400	
Fluid contamination degree According to ISO 4406:1999 classe		classe 20/18/15	
Recommended viscosity	cSt	25	
Mass	kg	3,9	6,1

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

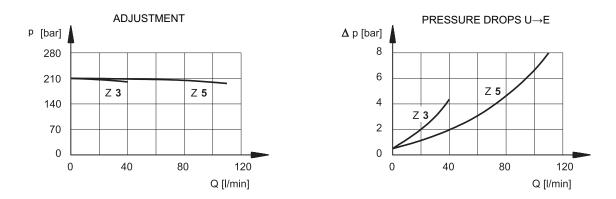
#### HYDRAULIC SYMBOLS



## **1 - IDENTIFICATION CODE**



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



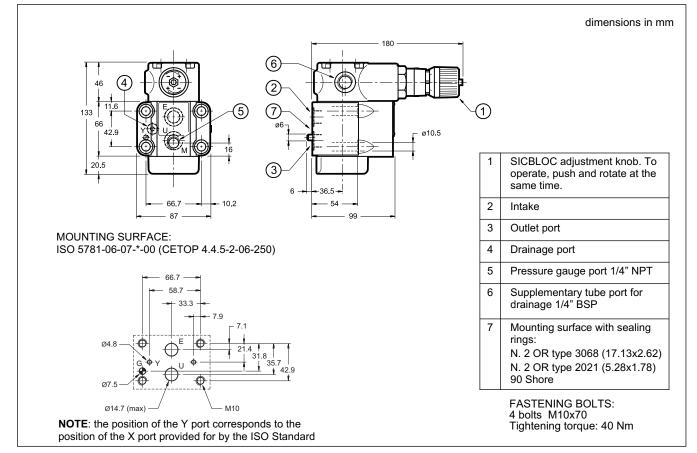
## **3 - HYDRAULIC FLUIDS**

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

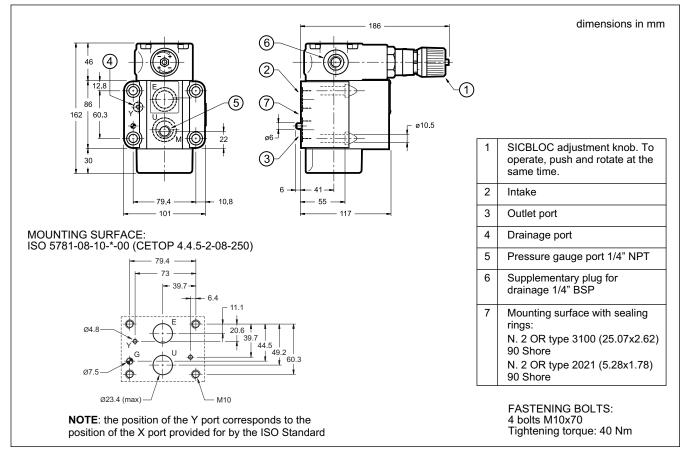
For the use of other kinds of fluid such as HFA, HFB, HFC, please consult our technical department. Using fluids at temperatures higher than 80 °C causes a faster degradation of the fluid and of the seals characteristics.

The fluid must be preserved in its physical and chemical characteristics.

## 4 - Z3-P OVERALL AND MOUNTING DIMENSIONS



#### 5 - Z5-P OVERALL AND MOUNTING DIMENSIONS



## 6 - SUBPLATES (see catalogue 51 000)

	Z3-P	Z5-P
Туре	PMSZ3-AI4G with rear ports	PMSZ5-AI6G with rear ports
Port dimensions: - E, U - X, Y	1/2" BSP 1/4" BSP	1" BSP 1/4" BSP



DUPLOMATIC MS S.p.A.

via M. Re Depaolini 24 • 20015 PARABIAGO (MI) • ITALY tel. +39 0331.895.111 • www.duplomatic.com • e-mail: sales.exp@duplomatic.com