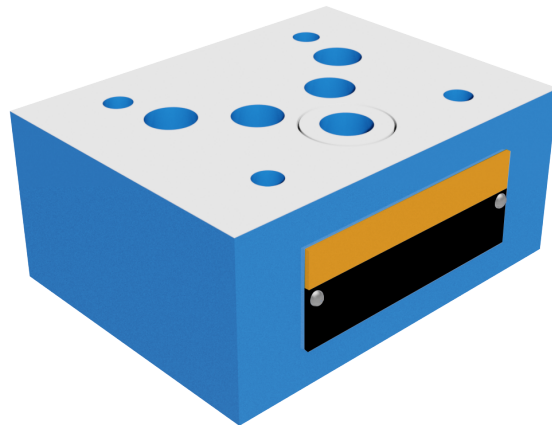




SANDWICH PLATE

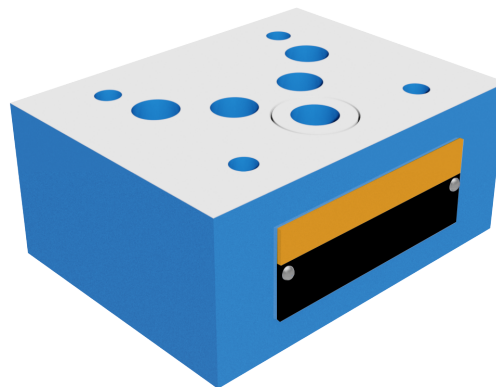
MODEL Z1S10



WWW.OLEDDINAMICAMOZIONI.IT

Z1S10 INTRODUCTION

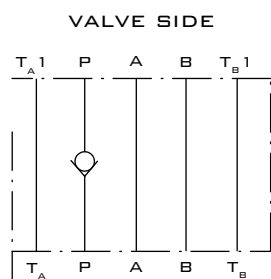
CHECK VALVES OF SANDWICH PLATE DESIGN ARE INTENDED FOR MATING WITH CONTROL VALVES. THEY ALLOW FREE FLOW OF FLUID IN ONE DIRECTION AND SELF-ACTING CLOSURE IN THE OPPOSITE DIRECTION. VALVES CAN BE MOUNTED IN ANY POSITION AS AN INTERMEDIATE ELEMENT BETWEEN A SUBPLATE AND A CONTROL VALVE.



Z1S10 TECHNICAL DATA

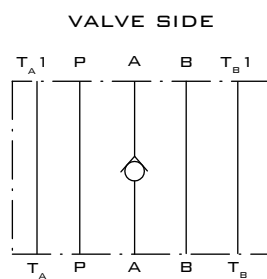
HYDRAULIC FLUID	MINERAL OIL OR PHOSPHATE ESTER
NOMINAL FLUID VISCOSITY	37 MM ² /S AT THE TEMPERATURE OF 55°C
VISCOSITY RANGE	2.8 TO 380 MM ² /S
REQUIRED FLUID FILTRATION	16 μM
RECOMMENDED FLUID FILTRATION	10 μM
MAXIMUM WORKING PRESSURE	32 MPa
CRACKING PRESSURE	0.05 MPa
MAXIMUM FLOW RATE	100 L/MIN
WEIGHT	1.8 KG

Z1S10 SCHEMES



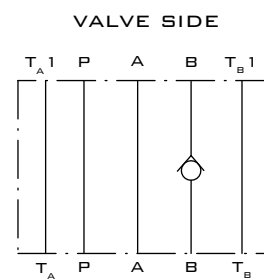
SUBPLATE SIDE

Z1S10 P



SUBPLATE SIDE

Z1S10 C



SUBPLATE SIDE

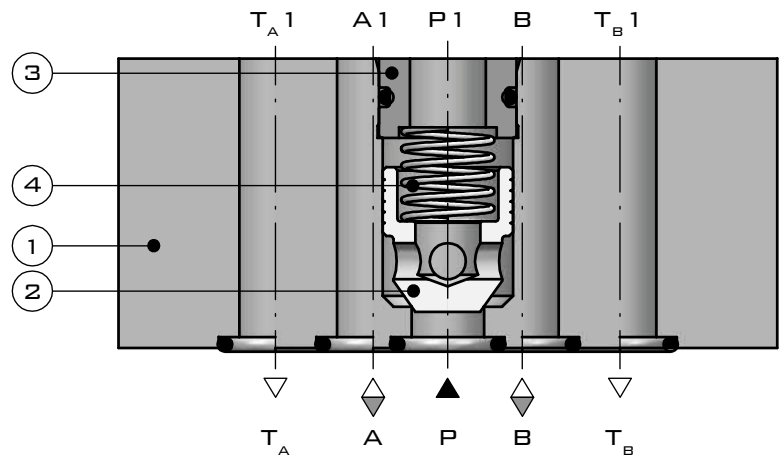
Z1S10 D

Z1S10 DESCRIPTION OF OPERATION

Z1S10P-1-30

VALVE SIDE

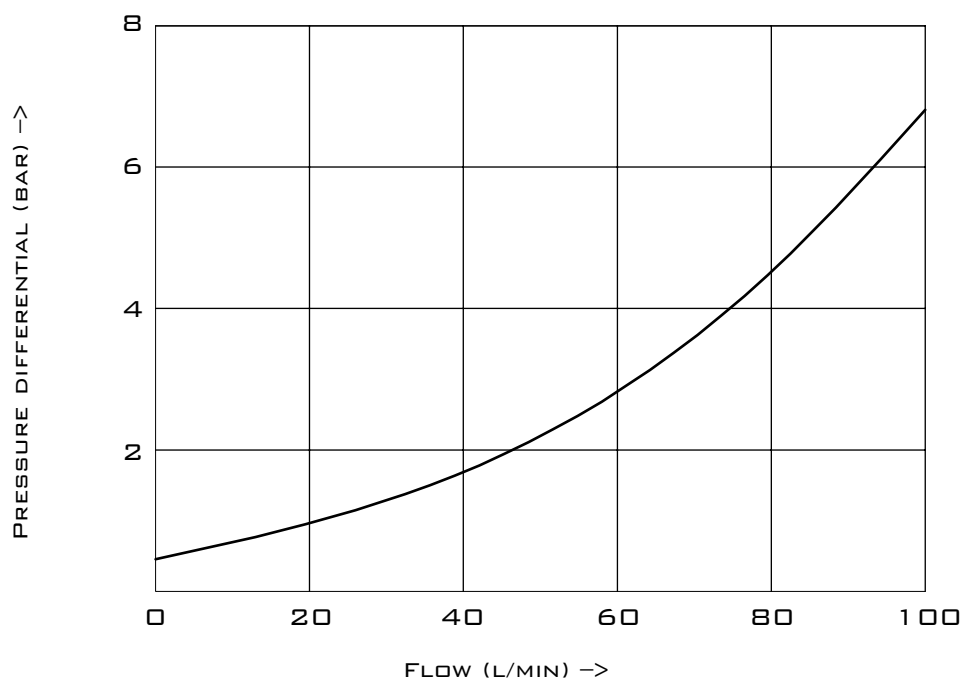
THE SLEEVE 3 WITH THE SEAT FOR THE SPRING 4 IS FITTED IN THE HOUSING 1. THE SPRING PUSHES THE POPPET 2 TO THE EDGE OF PORT P IN THE HOUSING 1. WHEN PRESSURE DIFFERENCE IN PORT P EXCEEDS THE CRACKING PRESSURE DETERMINED BY THE SPRING, THE POPPET WILL MOVE ALLOWING FREE FLOW IN LINE P. PORTS A, B, T SERVE AS FLOW PASSAGES



SUBPLATE SIDE

Z1S10 PERFORMANCE CURVES

MEASURED AT $v = 41 \text{ mm}^2/\text{s}$ AND $T = 50^\circ\text{C}$



Z1S10 OVERALL DIMENSIONS

