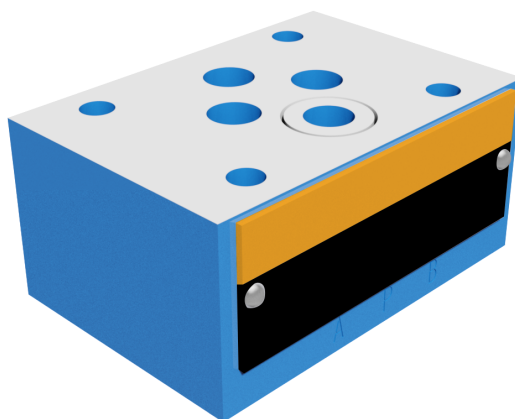




SANDWICH PLATE

MODEL Z1S6

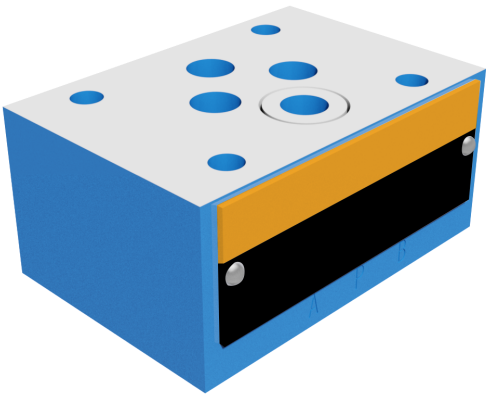


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SANDWICH PLATE

Z1S6 INTRODUCTION

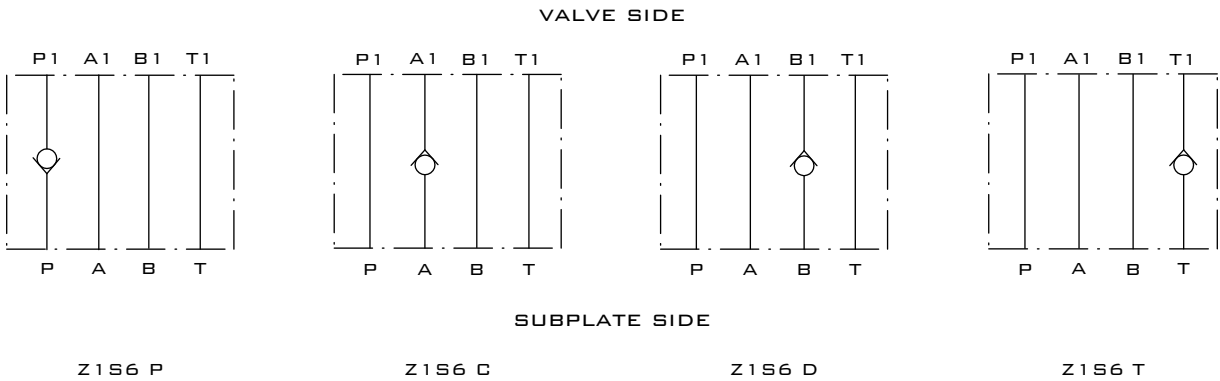
CHECK VALVES OF SANDWICH PLATE DESIGN ARE INTENDED FOR MATING WITH CONTROL VALVES. THEY ALLOW FREE FLOW OF FLUID IN ONE DIRECTION AND SELF-FACTING CLOSURE IN THE OPPOSITE DIRECTION. VALVES CAN BE MOUNTED IN ANY POSITION AS AN INTERMEDIATE ELEMENT BETWEEN A SUBPLATE AND A CONTROL VALVE.



Z1S6 TECHNICAL DATA

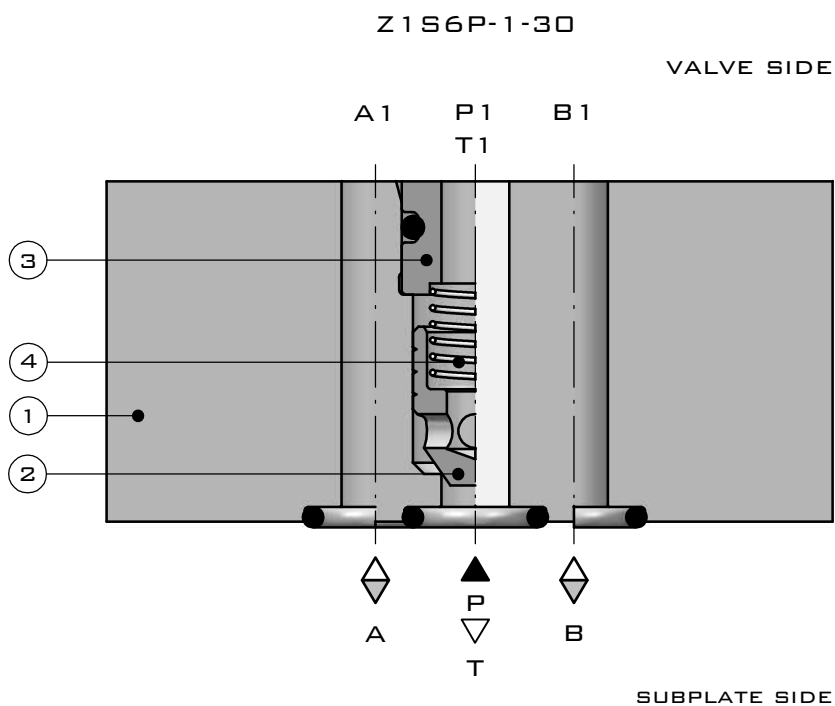
HYDRAULIC FLUID	MINERAL OIL OR PHOSPHATE ESTER
NOMINAL FLUID VISCOSITY	37 MM ² /S AT THE TEMPERATURE OF 55°C
VISCOSITY RANGE	2.8 TO 380 MM ² /S
REQUIRED FLUID FILTRATION	16 µM
RECOMMENDED FLUID FILTRATION	10 µM
MAXIMUM WORKING PRESSURE	32 MPa
CRACKING PRESSURE	0.05 MPa
MAXIMUM FLOW RATE	40 L/MIN
WEIGHT	0.6 KG

Z1S6 SCHEMES



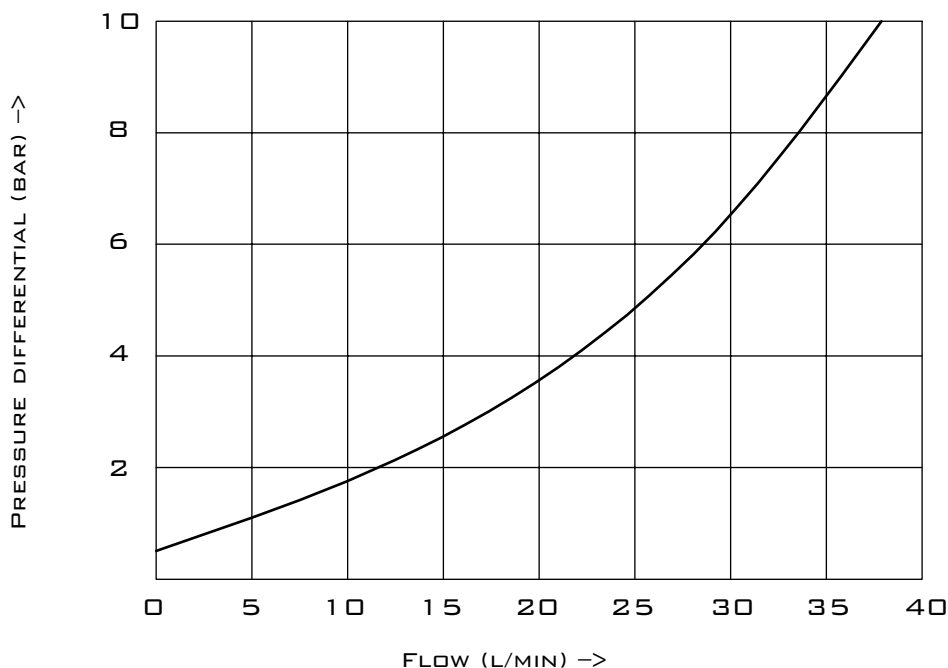
Z1S6 DESCRIPTION OF OPERATION

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, A, B, T OR A AND B.

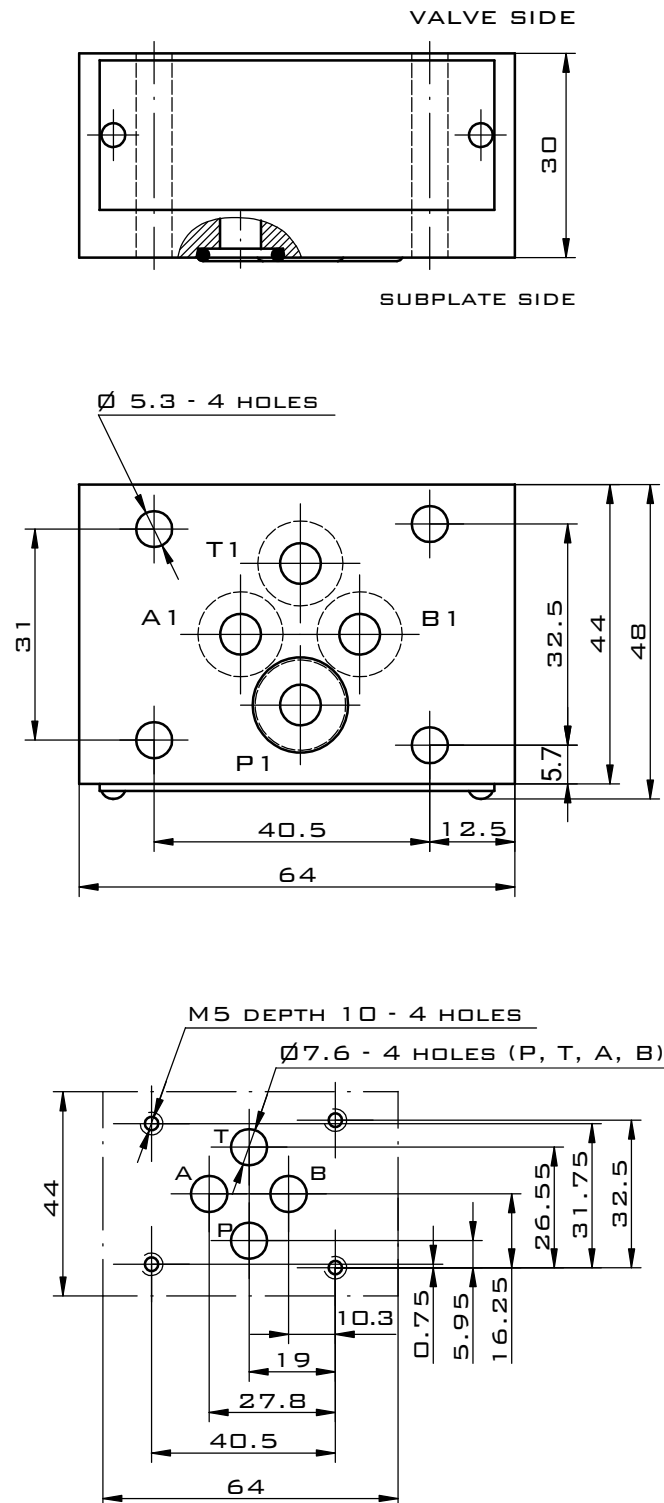


Z1S6 PERFORMANCE CURVES

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



Z156 OVERALL DIMENSIONS





Z1S6

SANDWICH PLATE

ORDER CODE

Z1S6	-				*
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CHECK VALVE	
PORT P	= P
PORT A	= C
PORT B	= D
PORT T	= T

1 =	CRACK PRESSURE 0.5 BAR
2 =	CRACK PRESSURE 3 BAR
3 =	CRACK PRESSURE 5 BAR

ADDITIONAL REQUIREMENTS IN CLEAR TEXT (TO BE AGREED WITH THE MANUFACTURER)	
SEALING	
FLUIDS ON MINERAL OIL BASE = NO DESIGNATION	
FLUIDS ON PHOSPHATE ESTER BASE	= V
30 =	30 SERIES