

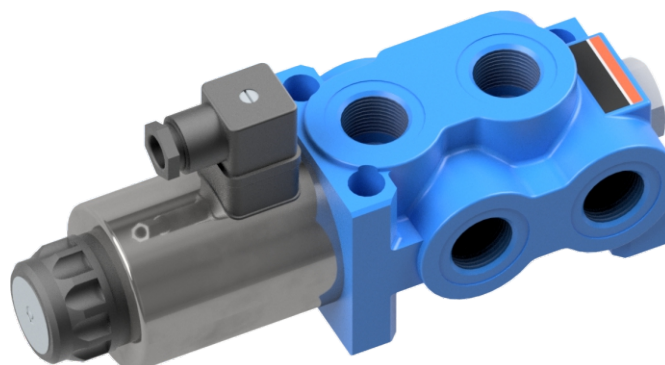


DISTRIBUTORI OLEODINAMICI

1 OWE10

TWO-POSITION SIX-WAY SOLENOID VALVE

- CONTROL SPOOL OPERATED BY SOLENOID WITH DETACHABLE COIL FASTENED BY A RING NUT.
- WET-PIN TUBE FOR DC COIL WITH PUSH ROD FOR MECHANICAL OVERRIDE IN CASE OF VOLTAGE SHORTAGE
- OPTIONAL MANUAL OVERRIDE (PUSH-BUTTON)



TECHNICAL DATA

SIZE		10
FLUID TEMPERATURE RANGE	°C	-30 TO +80 (NBR SEAL)
		-20 TO +80 (FKM SEAL)
MAX. PRESSURE WITH EXTERNAL DRAIN	BAR	310
MAX. PRESSURE WITH INTERNAL DRAIN	BAR	250
MAX. FLOW	L/MIN	140
WORKING MEDIUM		MINERAL OIL; PHOSPHATE
VISCOSITY RANGE	MM ² /S	5 TO 420
CLEANLINESS OF OIL		THE MAXIMUM ALLOWABLE POLLUTION LEVEL OF OIL IS NAS1638 CLASS 9 AND ISO4406 CLASS 20 / 18 / 15
VOLTAGE (DC)	V	12 24
POWER CONSUMPTION (W)	W	44
CURRENT (NOMINAL AT 20 °C (68 °F))	A	3.6 1.8 1.6 0.9
RESISTANCE (NOMINAL AT 20 °C (68 °F))	Ω	3.2 12.8 16.9 50.5

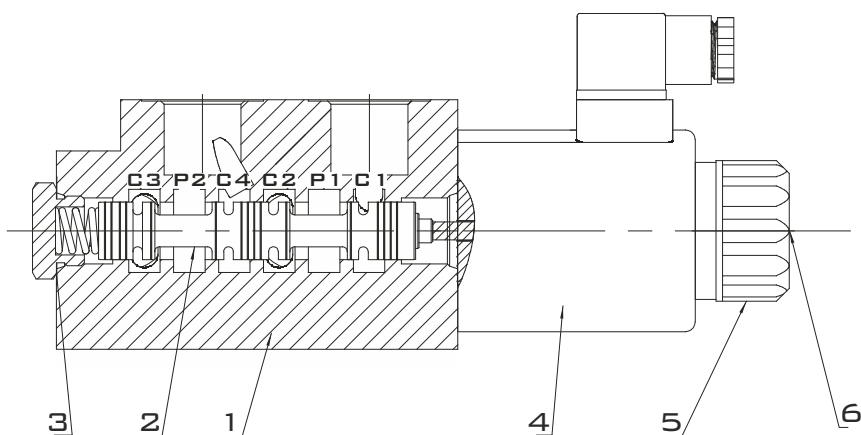
TECHNICAL DATA

THE 10WE10 IS A TWO-POSITION SIX-WAY DIRECTIONAL VALVE CONTROLLED BY DIRECT OPERATED SOLENOID.

THE VALVE MAINLY CONSISTS OF VALVE BODY (1), CONTROL SPOOL (2), RESET SPRING (3) AND SOLENOID (5).

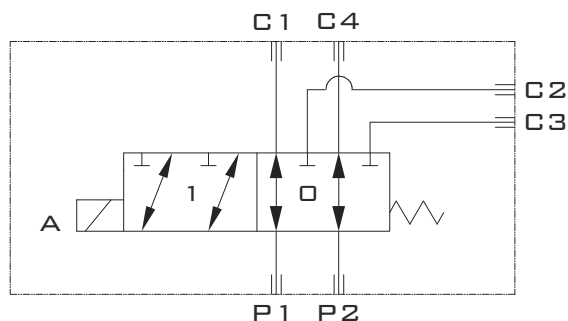
THIS VALVE IS USED TO CONNECT TWO OIL INLET PORTS P1 AND P2, AND TRANSFER IT TO THE OUTLET PORTS (C1-C4) WITH SPOOL IN POSITION "0" WHEN THE SOLENOID IS POWERED OFF, OR TO THE OUTLET PORTS (C2-C3) WITH SPOOL IN POSITION "1" WHEN THE SOLENOID IS POWERED ON.

WHEN THE COIL IS POWERED OFF, THE RESET SPRING (3) PUSHES BACK THE CONTROL SPOOL (2) AND KEEPS IT IN THE POSITION "0". THE COIL (4) IS FIXED TO THE MAGNETIC TUBE BY THE RING NUT (5). IN THE CASE OF VOLTAGE SHORTAGE, THE MANUAL OVERRIDE (6) CAN ALSO MOVE THE CONTROL SPOOL (2) TO CONNECT TO THE EXTERNAL DRAIN OF THE OIL TANK TO ENSURE SWITCHING OPERATION AT HIGHER WORKING PRESSURE.

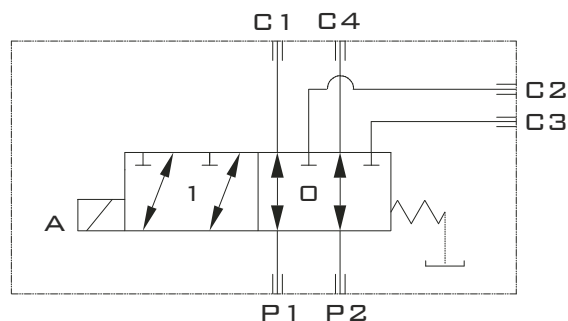


SCHEMES

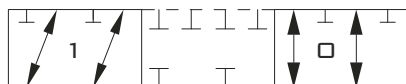
I TYPE INTERNAL DRAIN



E TYPE EXTERNAL DRAIN



TRANSITION FUNCTION:





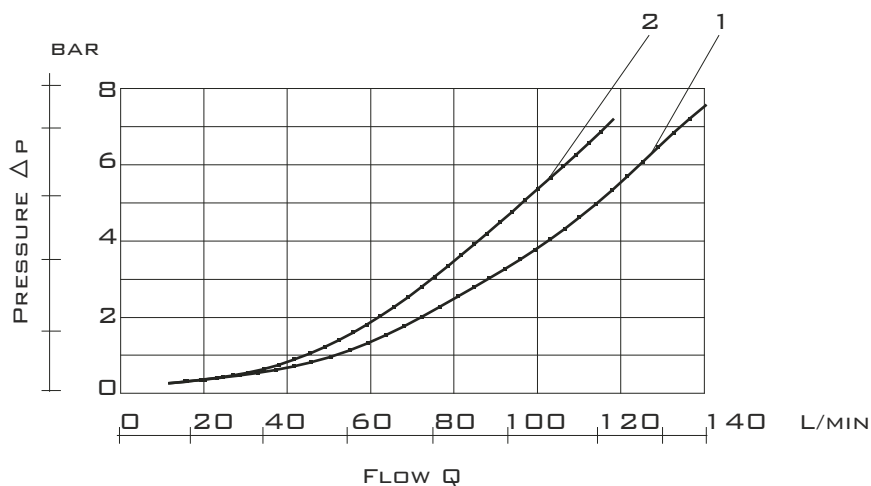
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TWO-POSITION SIX-WAY SOLENOID VALVE

CHARACTERISTIC CURVES

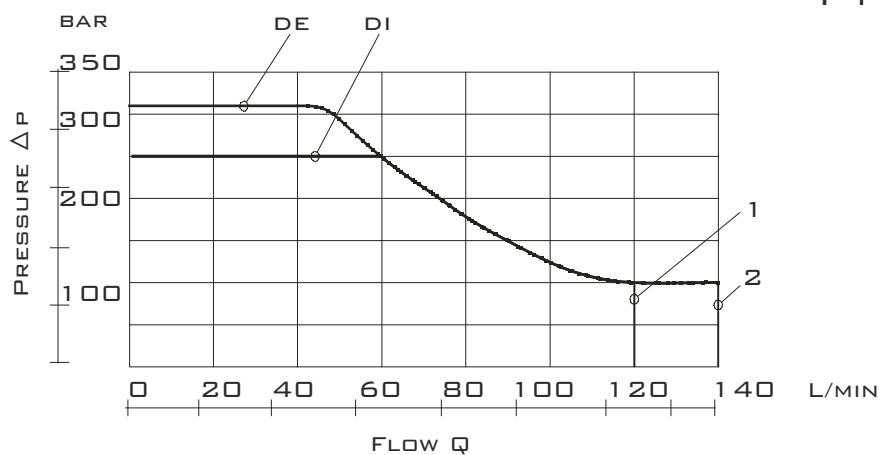
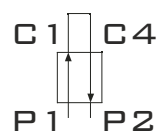
MEASURED WITH HYDRAULIC OIL TEMPERATURE AT 45 ± 5 °C, ENVIRONMENT TEMPERATURE AT 20 °C



MODEL	CURVE			
	P1>C1	P1>C2	P2>C3	P2>C4
1 OWE10-G1/2	2	2	2	2
1 OWE10-G3/4	1	1	1	1

THE PERFORMANCE CURVES ARE MEASURED WITH FLOW GOING ACROSS AND COMING BACK, LIKE P1>C1 AND C4>P2.

DI-DE CHARACTERISTIC LIMIT



INTERNAL DRAIN(DI)	EXTERNAL DRAIN(DE)
1	2

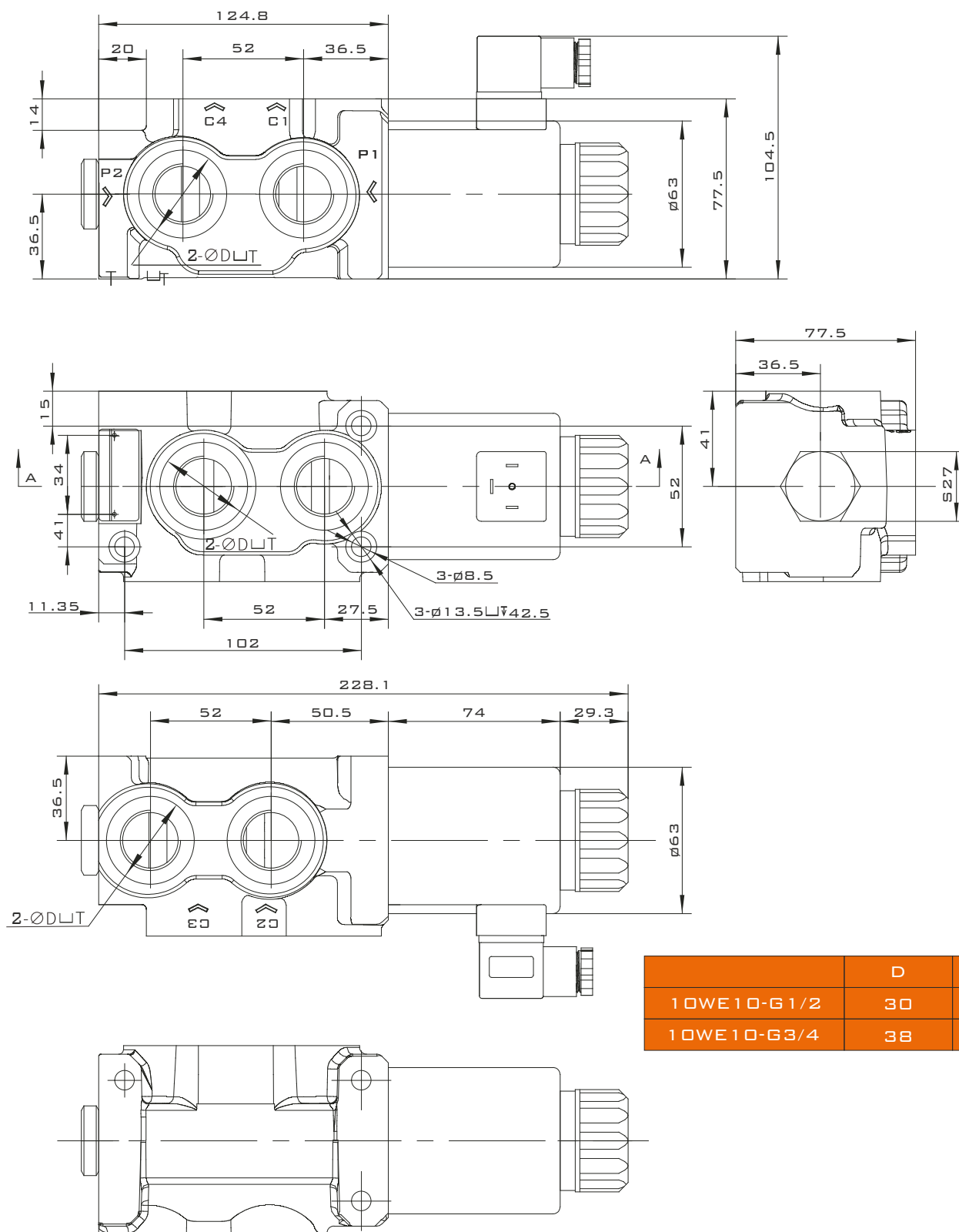
10WE10

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TWO-POSITION SIX-WAY SOLENOID VALVE

INSTALLATION DIMENSION





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1 OWE10

TWO-POSITION SIX-WAY SOLENOID VALVE

ORDER CODE

1 OWE	10	/	-	C						
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2-POSITION SIX-WAY SOLENOID
VALVE

= 1 OWE10

SIZE

= 10

WET-PIN SOLENOID WITH DETACHABLE COIL = C

12V DC

= G12

24V DC

= G24

INTERNAL DRAIN

= I

EXTERNAL DRAIN

= E

MORE INFORMATION IN TEXT

SEALING MATERIAL

N =

NBR SEALS

V =

FKM SEALS

(CONSULT FOR OTHER SEALS)

Z5L =

RIGHT ANGLE PLUG

FS2 =

WATER-PROOF PLUG

NO CODE =

NO MANUAL EMERGENCY
OPERATION

N9 =

WITH HIDDEN MANUAL EMERGENCY
OPERATION