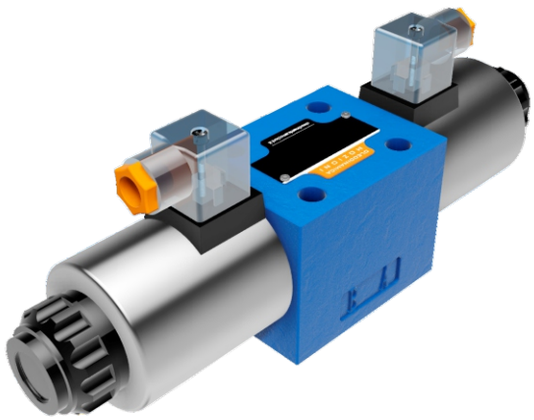
DISTRIBUTORI
OLEODINAMICI

WE10

SOLENOID OPERATED
DIRECTIONAL CONTROL VALVES

WE10 SERIES DIRECTIONAL CONTROL VALVES ARE SOLENOID OPERATED DIRECTIONAL SPOOL VALVES.
THESE VALVES ARE USED TO THE START, STOP AND DIRECTION OF FLOW.

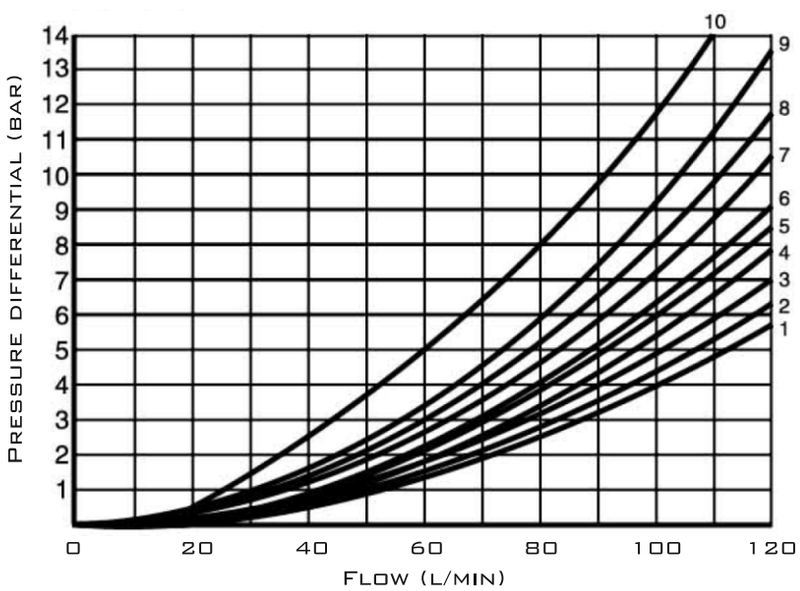


TECHNICAL DATA

SIZE		10
MAX. FLOW RATE (L/MIN)		120
OPERATING PRESSURE (MPA)	A, B, P PORTS	31.5
	T PORT	16
WEIGHT (KG) WITHOUT/WITH HANDLE	1 SOLENOID	4.6
	2 SOLENOIDS	6.4
VALVE BODY (MATERIAL)		CASTING PHOSPHATING SURFACE

CHARACTERISTIC CURVES

Δp-q characteristic curves



9 CURVE – SPOOL SYMBOL "R" IN SHIFTED POSITION B → A;
3 CURVE – SPOOL SYMBOL "H" IN CENTRAL POSITION P → T;
4 CURVE – SPOOL SYMBOL "F" IN CENTRAL POSITION P → A;
9 CURVE – SPOOL SYMBOL "F" IN CENTRAL POSITION A → T, SPOOL SYMBOL "F", "G" AND "T" IN CENTRAL POSITION P → T;

SPOOL SYMBOL	FLOW DIRECTION			
	P – A	P – B	A – T	B – T
A; B	3	3	–	–
C	3	3	4	5
D; Y	5	5	6	6
E	1	1	4	4
F	2	3	7	4
G	3	3	6	7
H	1	1	6	7
J	1	1	3	3
L	2	2	3	5
M	1	1	4	5
P	4	2	5	7
Q	1	2	1	3
R	3	6	4	–
T	3	3	6	7
U, V	2	2	3	3
W	2	2	4	5

5, 8, 10 CURVES – SPOOL SYMBOL "P" IN CENTRAL POSITION P → B, B → T AND P → T.

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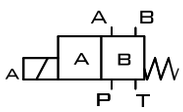
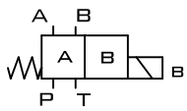
Schemes

Schemes of 2-position directional spool valves
Versions with positions A, B

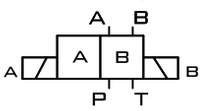
WE6.../...



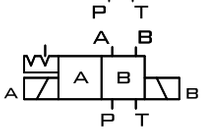
WE6.../...



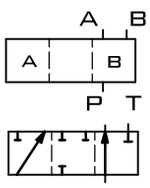
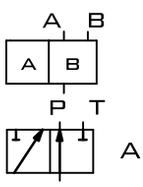
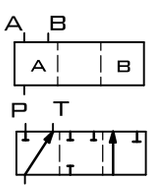
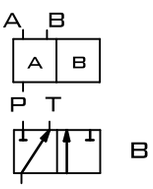
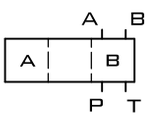
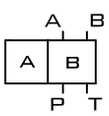
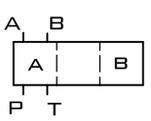
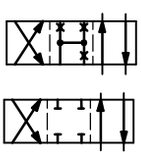
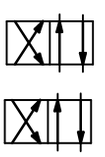
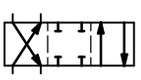
WE6.../O...*



WE6.../OF...*

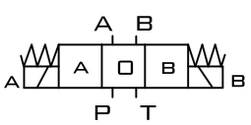


* – versions available only for spool schemes: A, C, D

working and indirect positions	working positions	working and indirect positions	working positions
	 A		 B
	 C		
	 D		Y

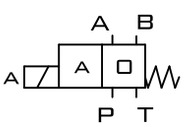
Schemes of 3-position directional spool valves

WE6.../...

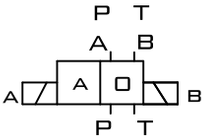


Schemes of 2-position directional spool valves
Versions with positions A, O

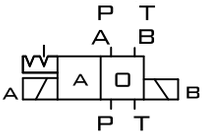
WE6...A/...



WE6...A/O...*

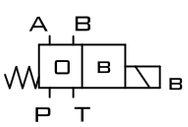


WE6...A/OF...*



Versions with positions O, B

WE6...B/...



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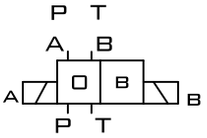

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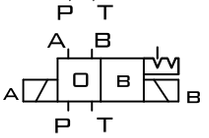

* – versions available only for spool schemes: E, G, H, J, E, G, H, J

See also:
WE6, WEH

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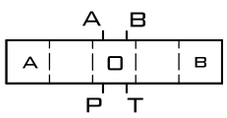
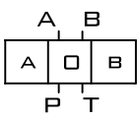
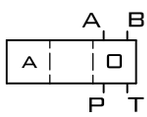
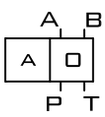
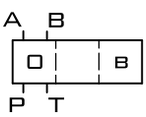
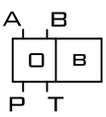
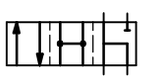
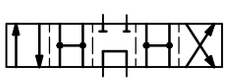
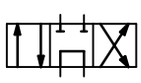
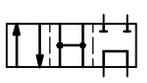
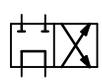
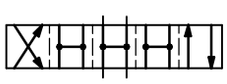
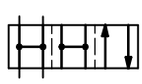
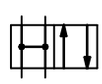
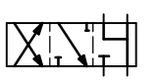
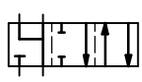
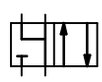
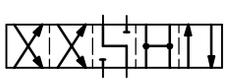
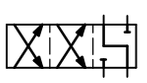
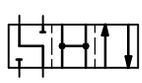
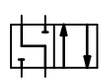
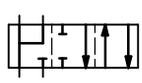
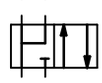
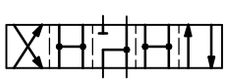
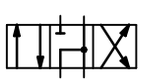
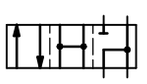
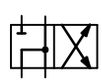
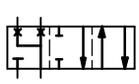
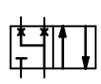
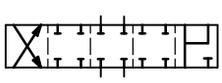
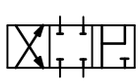
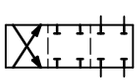
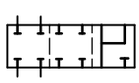
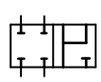
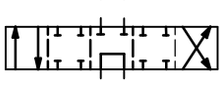
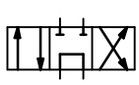
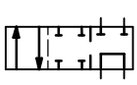
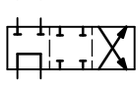
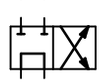
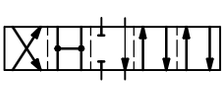
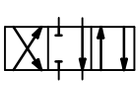
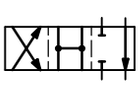
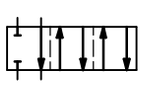
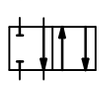
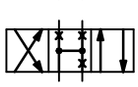
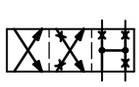
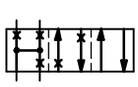
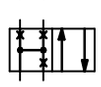
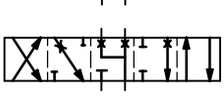
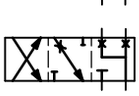
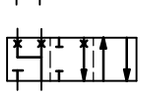
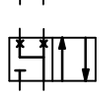
Schemes

Hydraulic schemes of spools

working and indirect positions	working positions	working and indirect positions	working positions	working and indirect positions	working positions
	 E		 EA		 EB
	F		FA		FB
	 G		GA		 GB
	H		HA		 HB
	J		JA		 JB
	L		LA		 LB
	M		MA		 MB
	 P		PA		 PB
	Q*		QA*		 QB*
	 R		RA		 RB
	 T		TA		 TB
	 U		UA		 UB
	 V*		VA*		 VB*
	W*		WA*		 WB*

* – flow section in initial position

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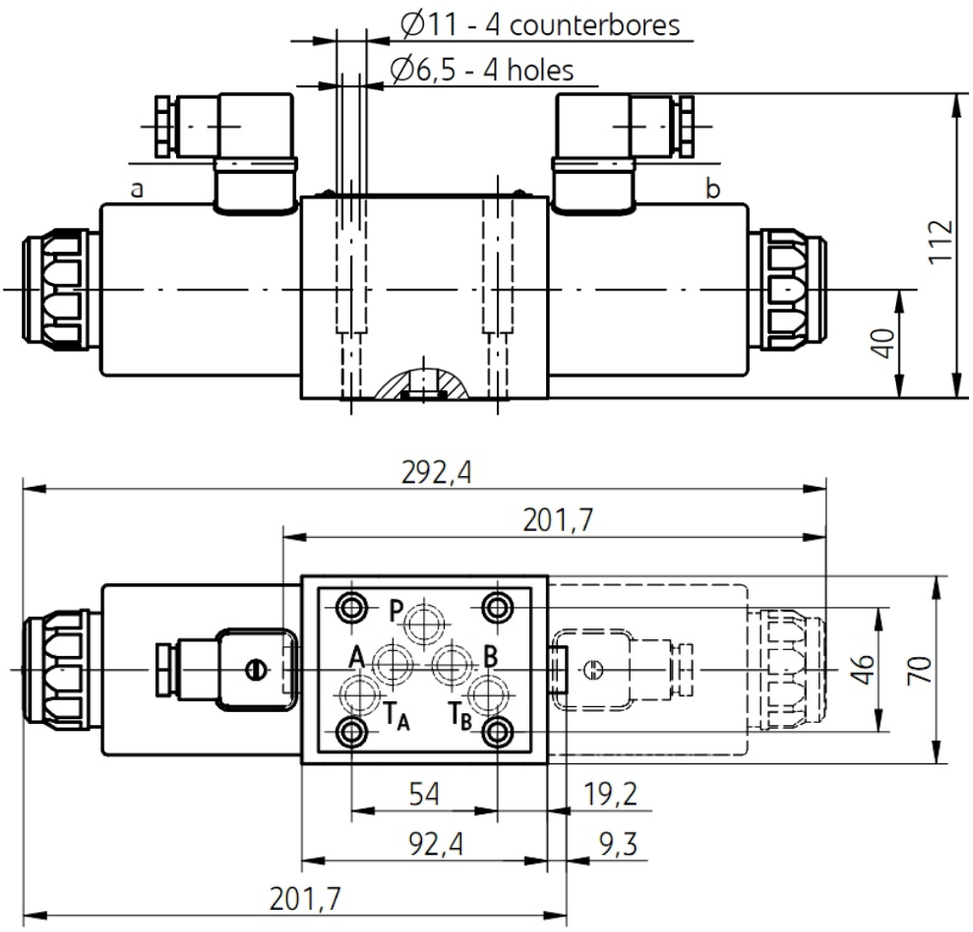
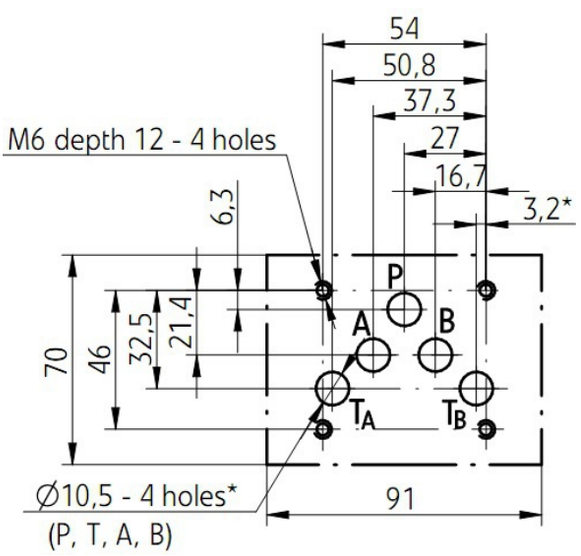
SUBPLATE INSTALLATION DIMENSIONS





* – CONNECTION WITH 1 HOLE T FROM PORT SIDE A OR B IS SUFFICIENT – HOLES T_A AND T_B ARE CONNECTED TO THE PORT T IN THE HOUSING OF DIRECTIONAL SPOOL VALVE

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Order code

	WE	10				E					

3=3-way
4=4-way

10=10 size

Spool type

3X=30–39 series

No code=With spring return
O=Without spring return
OF=Without spring return
with detent

E=Standard solenoid

No code=NBR seals
V=FKM seals

Z5L=Squre plugs with lamp

No code=Without throttle insert
B0.8=Throttle 0.8 mm
B1.0=Throttle 1.0 mm
B1.2=Throttle 1.2 mm

N9=With concealed hand emergency

G12=DC12V
G24=DC24V
W110R=AC110V
W220R=AC220V

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