WMM10

MANUALLY OPERATED DIRECTIONAL CONTROL VALVES

WMM10 series manually operated directional control valves are direct type directional spool valves.
These valves are used to the start, stop and direction of flow.
This series with detent or return spring are available.

Technical data

Size		10
Max. flow rate (l/min)		100
Operating pressure (MPa)	A, B, P ports	31.5
	T port	16
Weight (kg)		4.4
Valve body (material)		Casting phosphating surface

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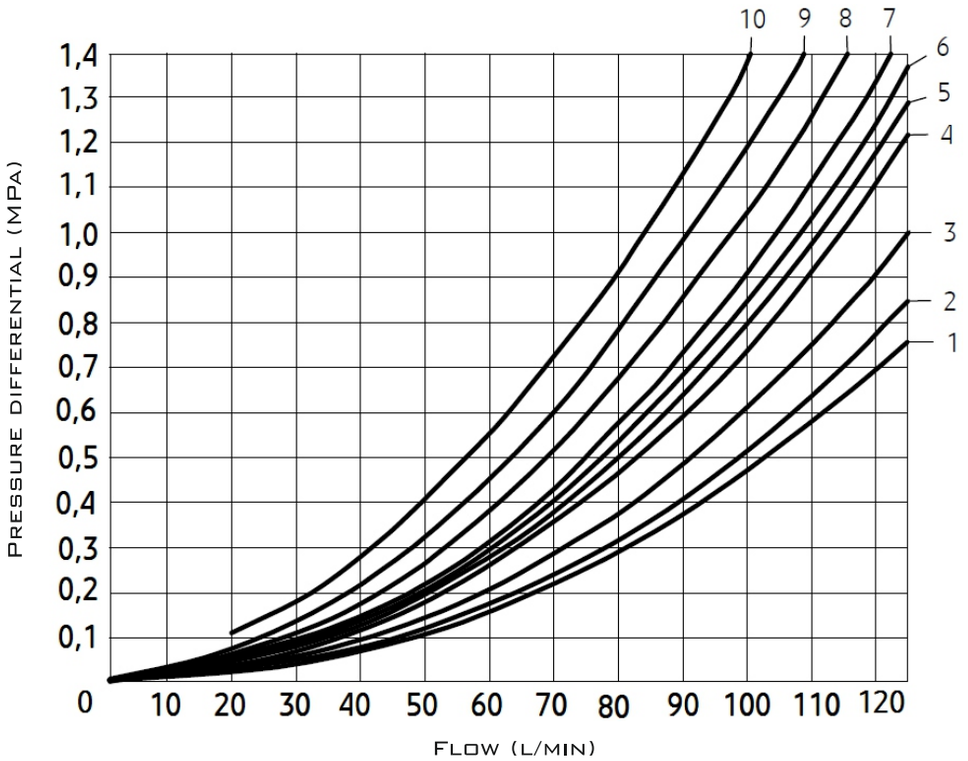
Characteristic curves

Δp-q characteristic curves



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

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;
5, 8, 10 curves – spool symbol “P” in central position P → B, B → T and P → T.

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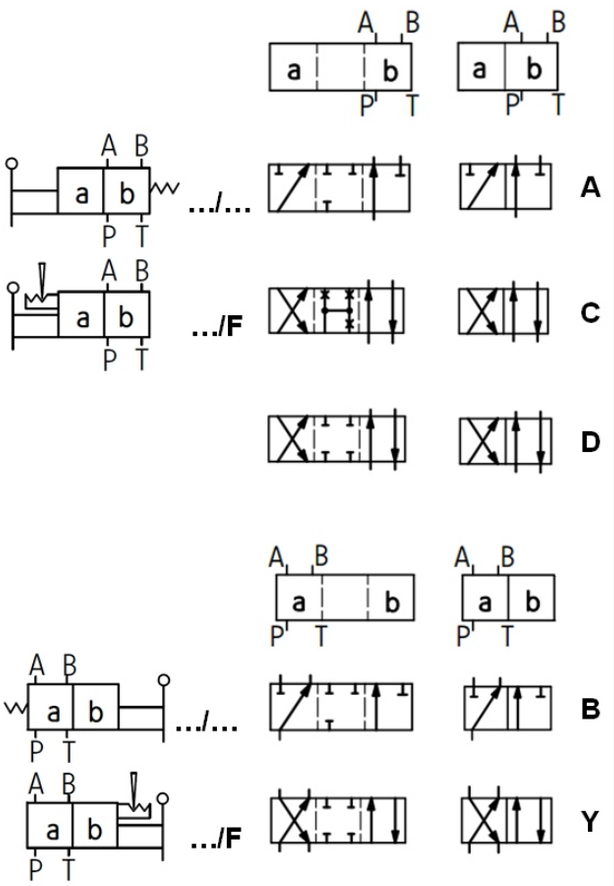
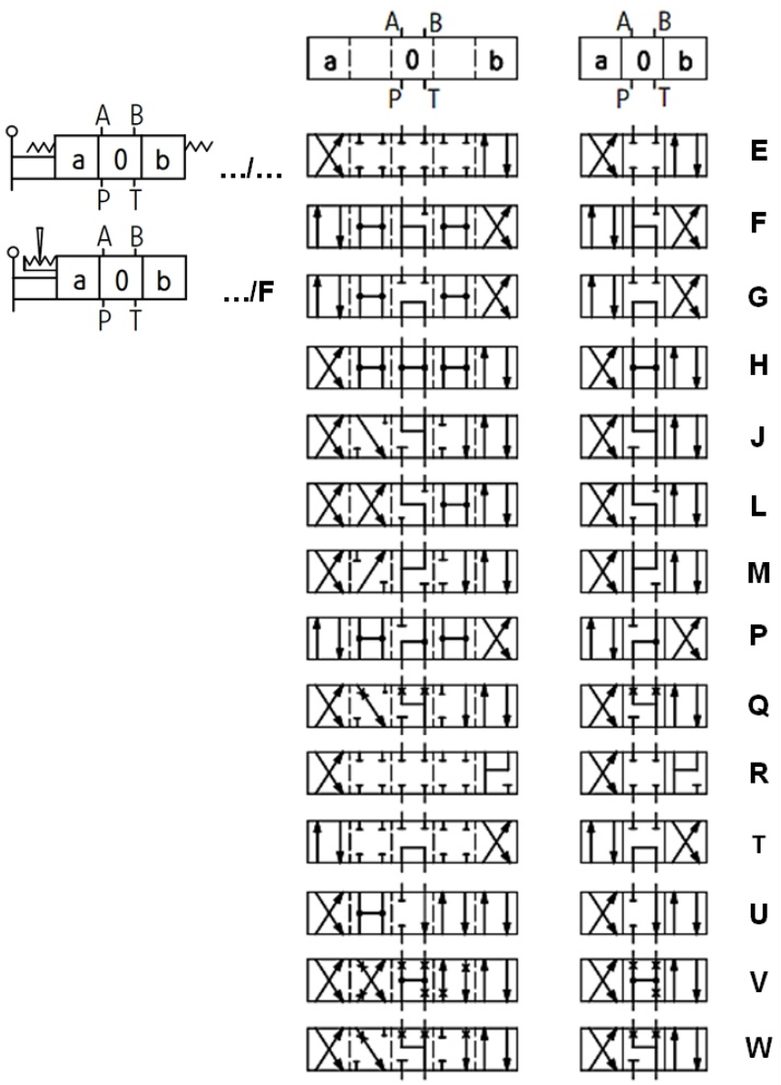
Spool symbols

2-position valves



3-position valves



See also:
WMM6, WMM16,
WMM25

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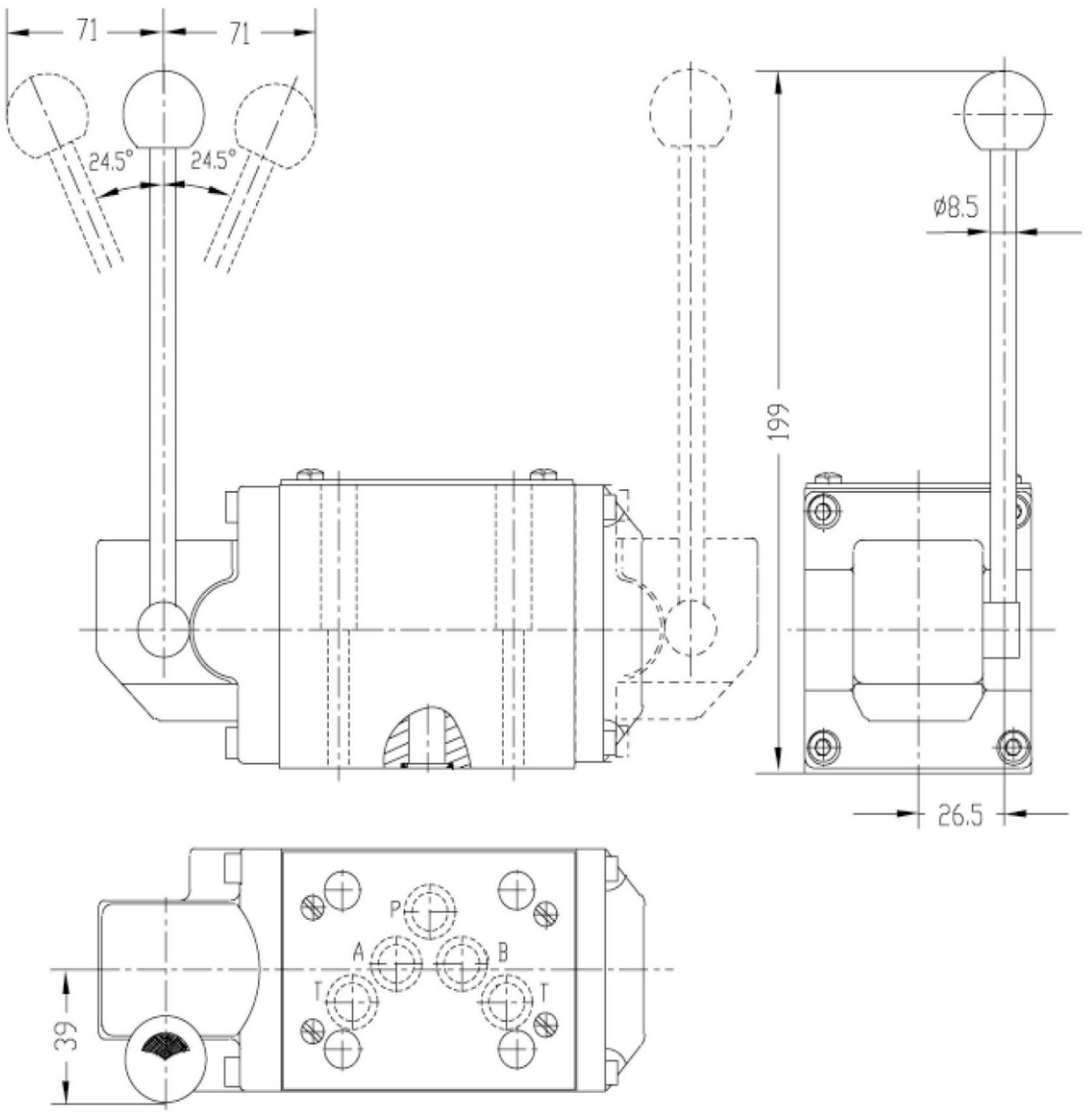
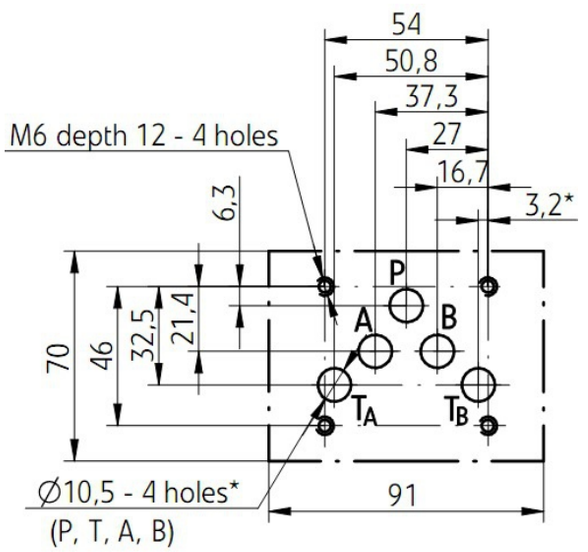
SUBPLATE INSTALLATION DIMENSIONS





* – 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

	WMM	10						

3=3-way
4=4-way

10=10 size

Spool type

10=10 series
50=50 series

No code=Spring return without detent
F=Detent without spring return

No code=Handle on side of port A
L=Handle on side of port B

No code=Mineral substance hydraulic oil
V=Phosphate eater hydraulic oil

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

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