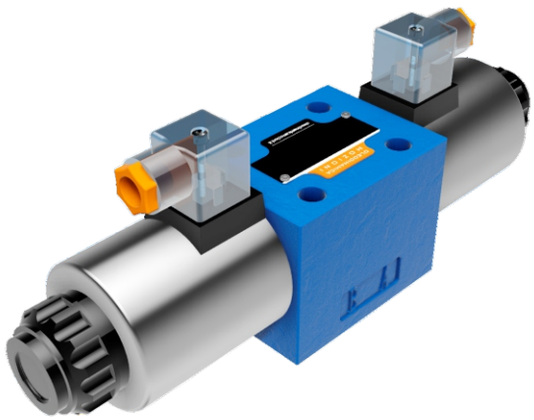
DISTRIBUTORI
OLEODINAMICI

# 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.

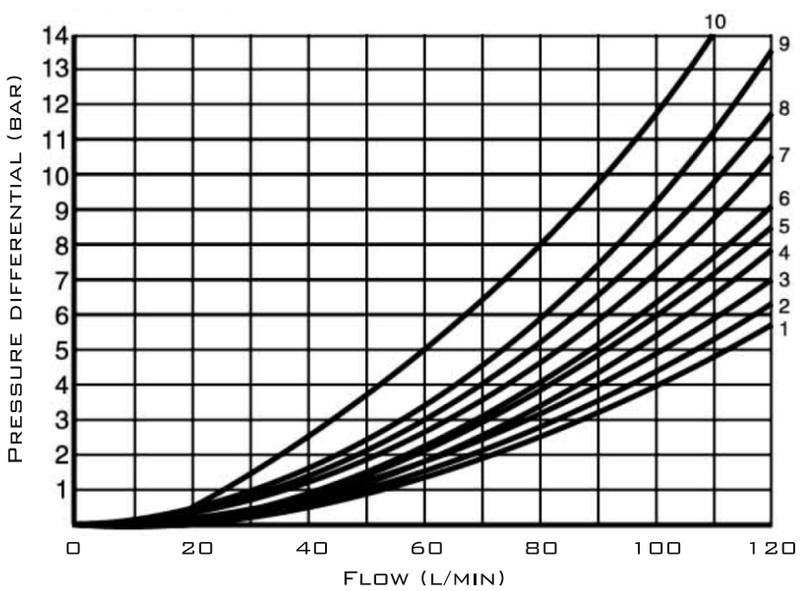


## TECHNICAL DATA

| | | |
|---|---|---|
| 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.

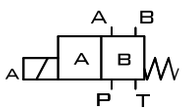



ТОВ "Промислова Гідравліка": https://promhydraulic.com.ua/ua/
Телефонуйте: +380 (95) 670-15-32, +380 (98) 533-91-67, +380 (96) 244-48-42

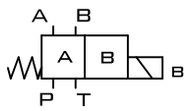
# Schemes

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

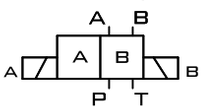
WE6.../...



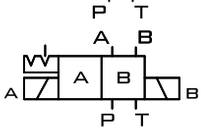

WE6.../...



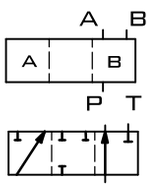
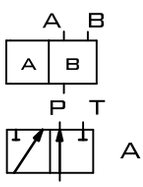
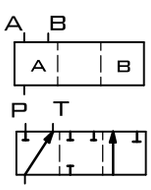
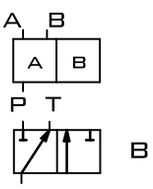
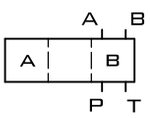
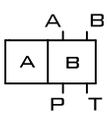
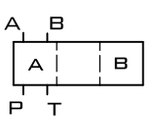
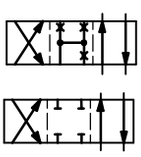
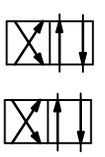
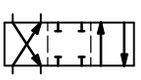

WE6.../O...*




WE6.../OF...*

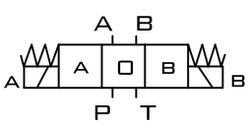



* – versions available only for spool schemes: A, C, D

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

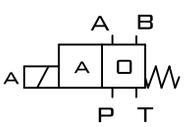
## Schemes of 3-position directional spool valves

WE6.../...

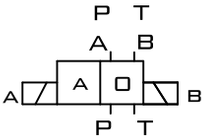



## Schemes of 2-position directional spool valves
Versions with positions A, O

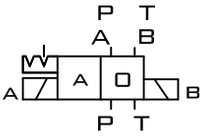
WE6...A/...




WE6...A/O...*

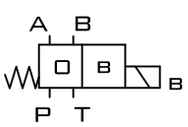



WE6...A/OF...*

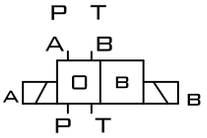



Versions with positions O, B

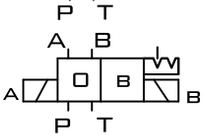
WE6...B/...




WE6...B/O...*




WE6...B/OF...*




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

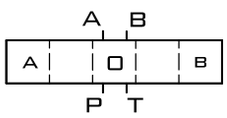
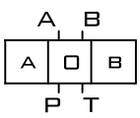
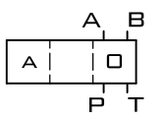
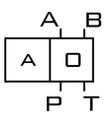
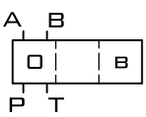
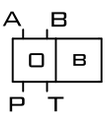
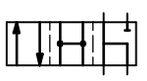
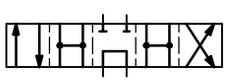
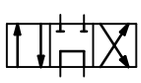
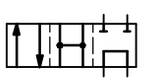
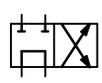
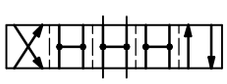
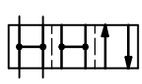
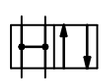
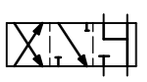
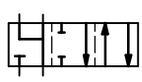
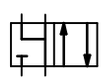
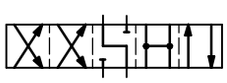
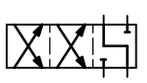
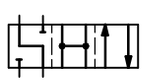
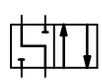
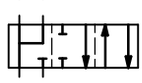
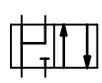
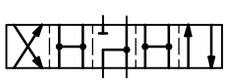
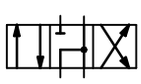
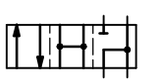
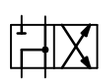
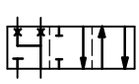
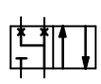
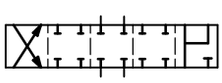
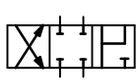
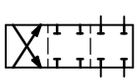
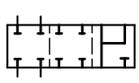
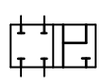
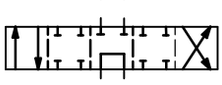
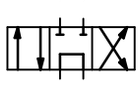
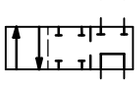
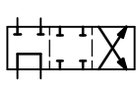
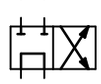
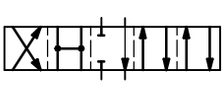
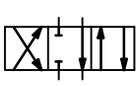
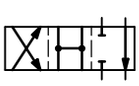
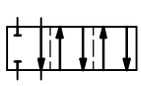
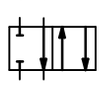
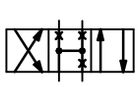
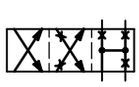
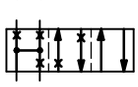
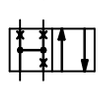
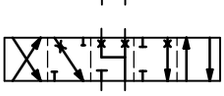
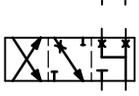
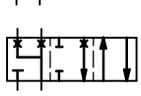
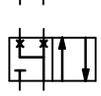
See also:
WE6, WEH



ТОВ "Промислова Гідравліка": https://promhydraulic.com.ua/ua/
Телефонуйте: +380 (95) 670-15-32, +380 (98) 533-91-67, +380 (96) 244-48-42

# Schemes

## Hydraulic schemes of spools

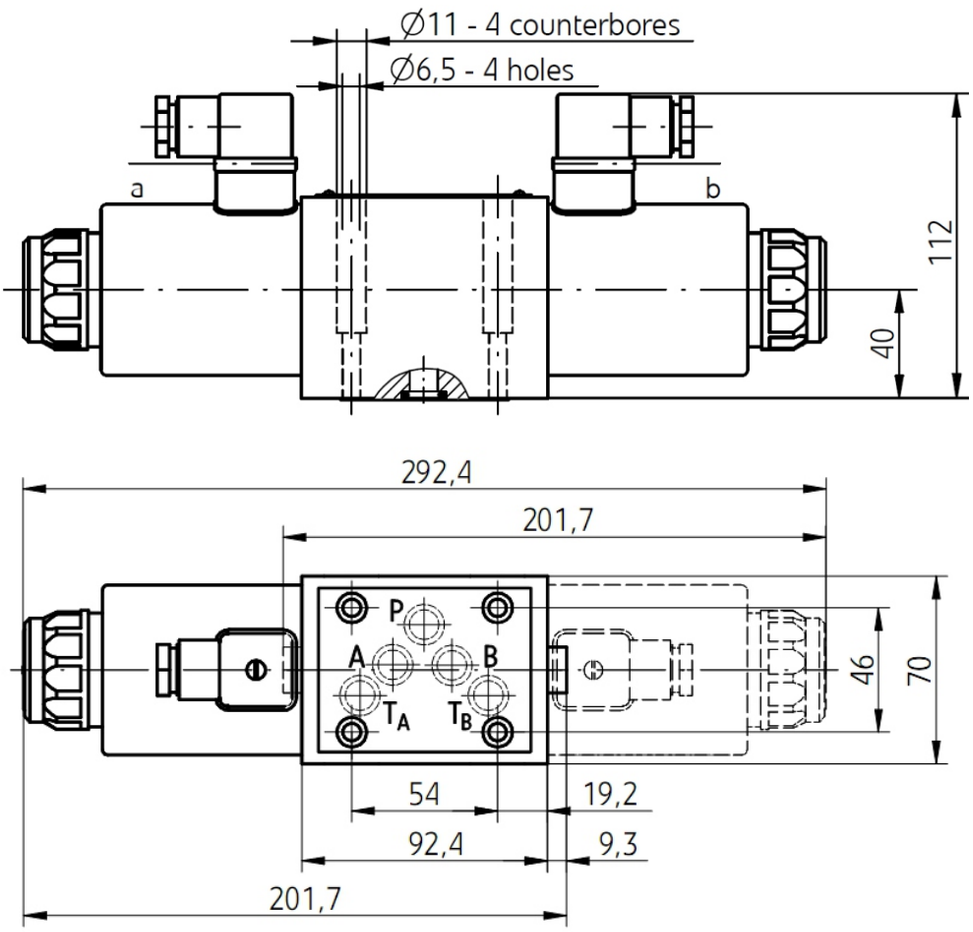
| working and indirect positions | working positions | working and indirect positions | working positions | working and indirect positions | working positions |
|---|---|---|---|---|---|
|  |  E |  |  EA |  |  EB |
| | F |  | FA | | FB |
|  |  G |  | GA | |  GB |
|  | H | | HA |  |  HB |
| | J |  | JA |  |  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* |

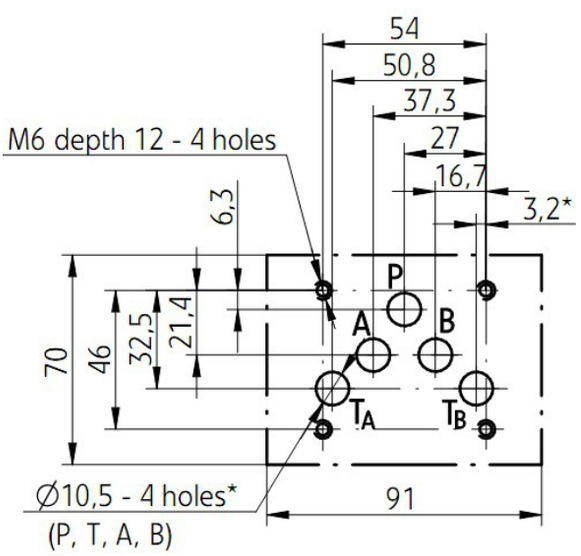
* – flow section in initial position



ТОВ "Промислова Гідравліка": https://promhydraulic.com.ua/ua/
Телефонуйте: +380 (95) 670-15-32, +380 (98) 533-91-67, +380 (96) 244-48-42

## 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



ТОВ "Промислова Гідравліка": https://promhydraulic.com.ua/ua/
Телефонуйте: +380 (95) 670-15-32, +380 (98) 533-91-67, +380 (96) 244-48-42

## 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



ТОВ "Промислова Гідравліка": https://promhydraulic.com.ua/ua/
Телефонуйте: +380 (95) 670-15-32, +380 (98) 533-91-67, +380 (96) 244-48-42