

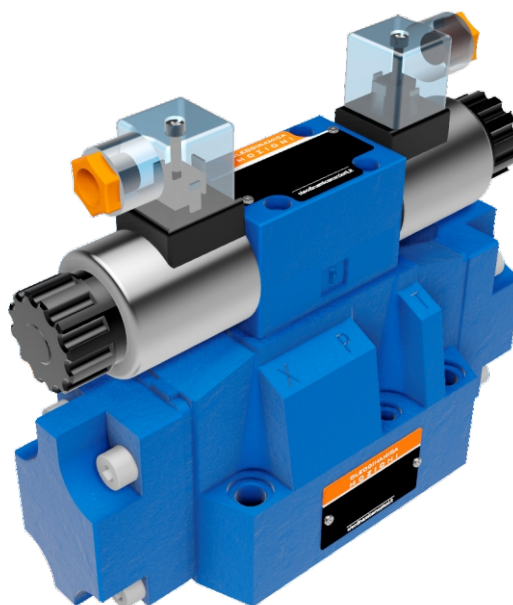


**DISTRIBUTORI
OLEODINAMICI**

WEH

**SOLENOID PILOT OPERATED
DIRECTIONAL CONTROL VALVES**

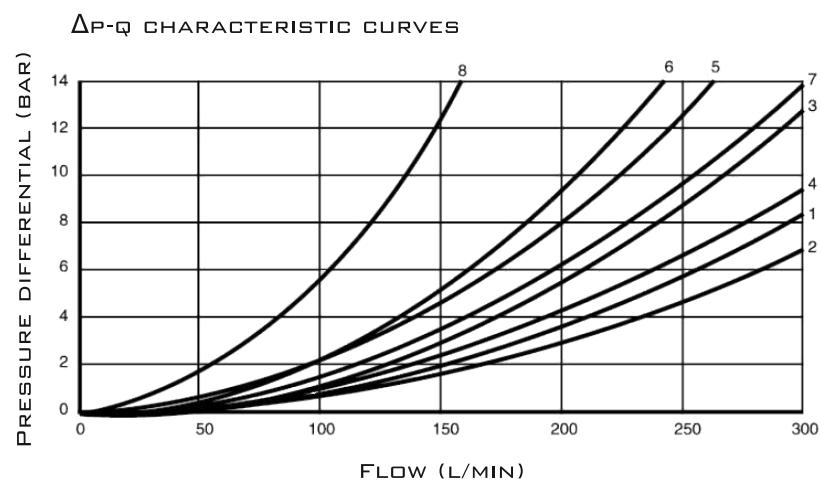
WEH SERIES ARE SOLENOID PILOT OPERATED
SPOOL TYPE VALVES.
THIS SERIES ARE USED TO CONTROL THE
START, STOP AND DIRECTION OF FLOW.



TECHNICAL DATA

SIZE		16	25	32
MAX. FLOW RATE (L/MIN)		300	650	1100
OPERATING PRESSURE (MPA)	A, B, P PORTS	35		
	T PORT	16		
MIN. PILOT PRESSURE (MPA)		0.45 – 1.3	0.45 – 1	0.45 – 1
WEIGHT (KG)		9.5	18	38.5
VALVE BODY (MATERIAL)		CASTING PHOSPHATING SURFACE		

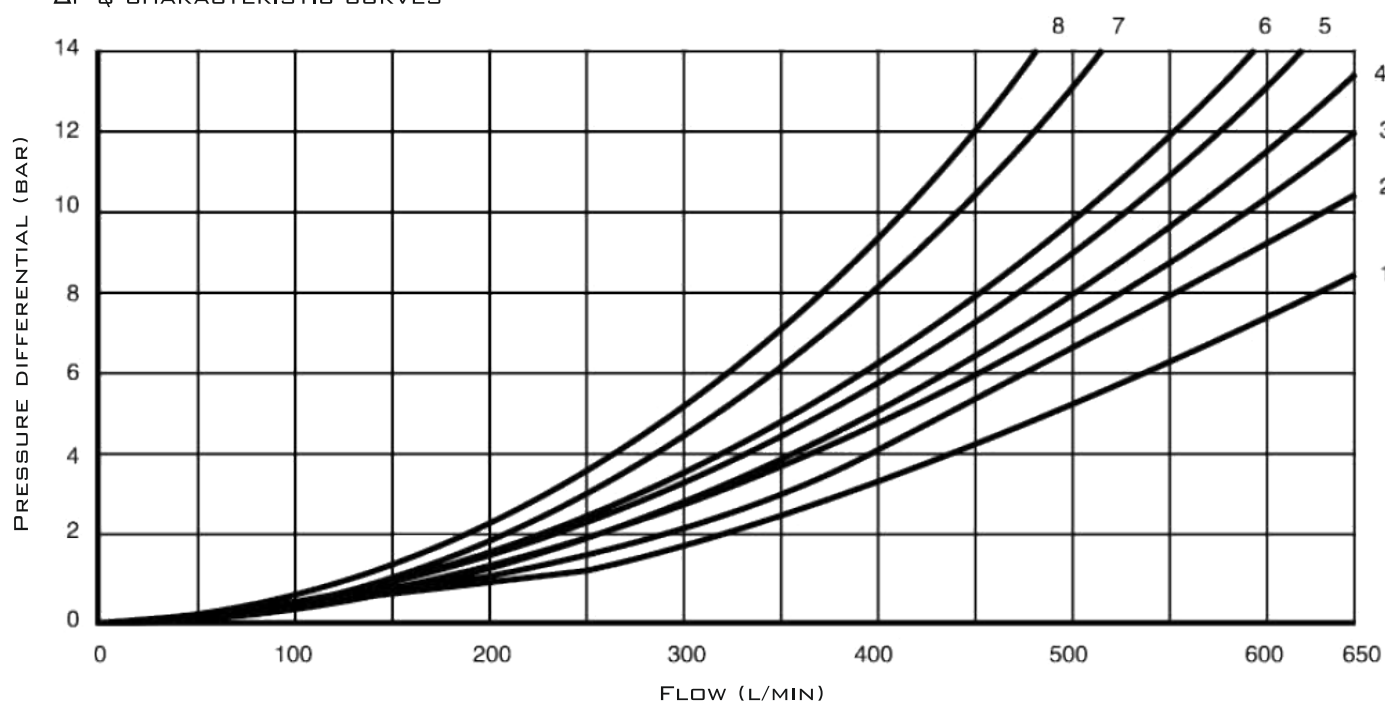
CHARACTERISTIC CURVES 4WEH16...



SPOOL SYMBOL	FLOW DIRECTION				
	P – A	P – B	A – T	B – T	P – T
E, D, Y	1	1	1	3	–
F	2	2	3	2	–
G, T	5	1	3	7	6
H, C, Q, V, Z	2	2	3	3	–
J, K, L	1	1	3	3	–
M, W	2	2	4	3	–
R	2	2	4	–	–
U	1	1	4	7	–
S	4	4	4	–	8

CHARACTERISTIC CURVES 4WEH25...

$\Delta P-Q$ CHARACTERISTIC CURVES



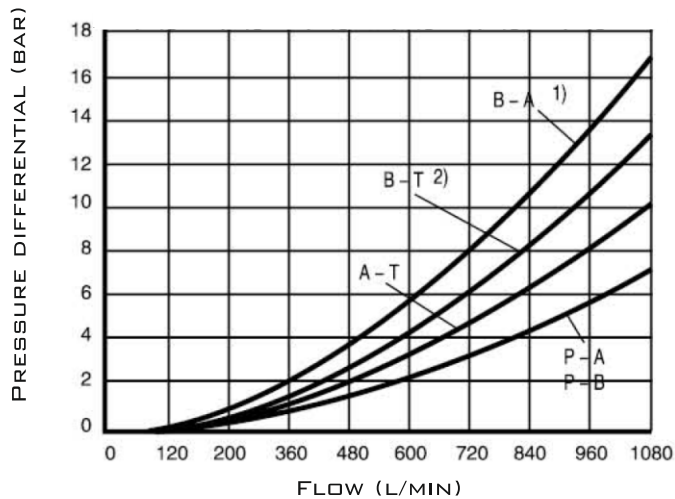
7 CURVE – SPOOL SYMBOL “G” IN CENTRAL POSITION $P \rightarrow T$;

8 CURVE – SPOOL SYMBOL “T” IN CENTRAL POSITION $P \rightarrow T$.

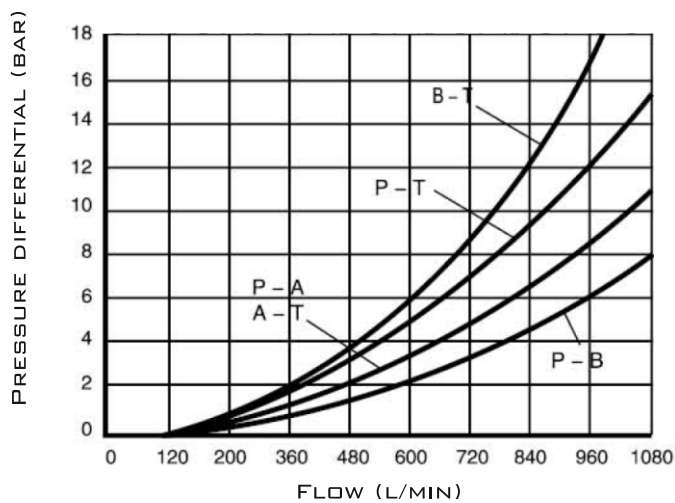
SPOOL SYMBOL	FLOW DIRECTION			
	P – A	P – B	A – T	B – T
E	1	1	1	3
F	1	4	3	3
G	3	1	2	4
H	4	4	3	4
J, Q	2	2	3	5
L	2	2	3	3
M	4	4	1	4
P	4	1	1	5
R	2	1	1	–
T	3	1	2	4
U	4	1	1	6
V	2	4	3	6
W	1	1	1	3

CHARACTERISTIC CURVES 4WEH32...

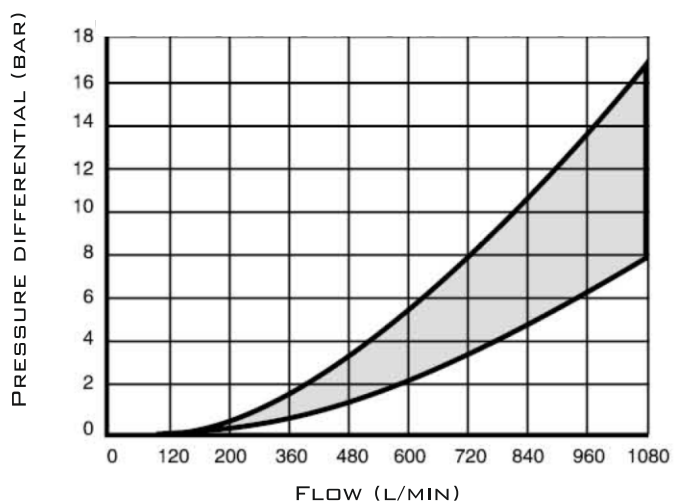
$\Delta P-Q$ CHARACTERISTIC CURVES – SPOOL TYPE “E”, “R”, “W”



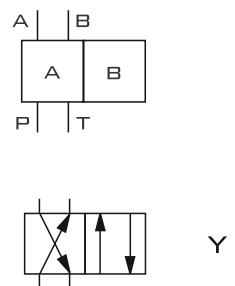
$\Delta P-Q$ CHARACTERISTIC CURVES – SPOOL TYPE “G”, “T”



$\Delta P-Q$ CHARACTERISTIC CURVES – ALL SPOOL TYPES



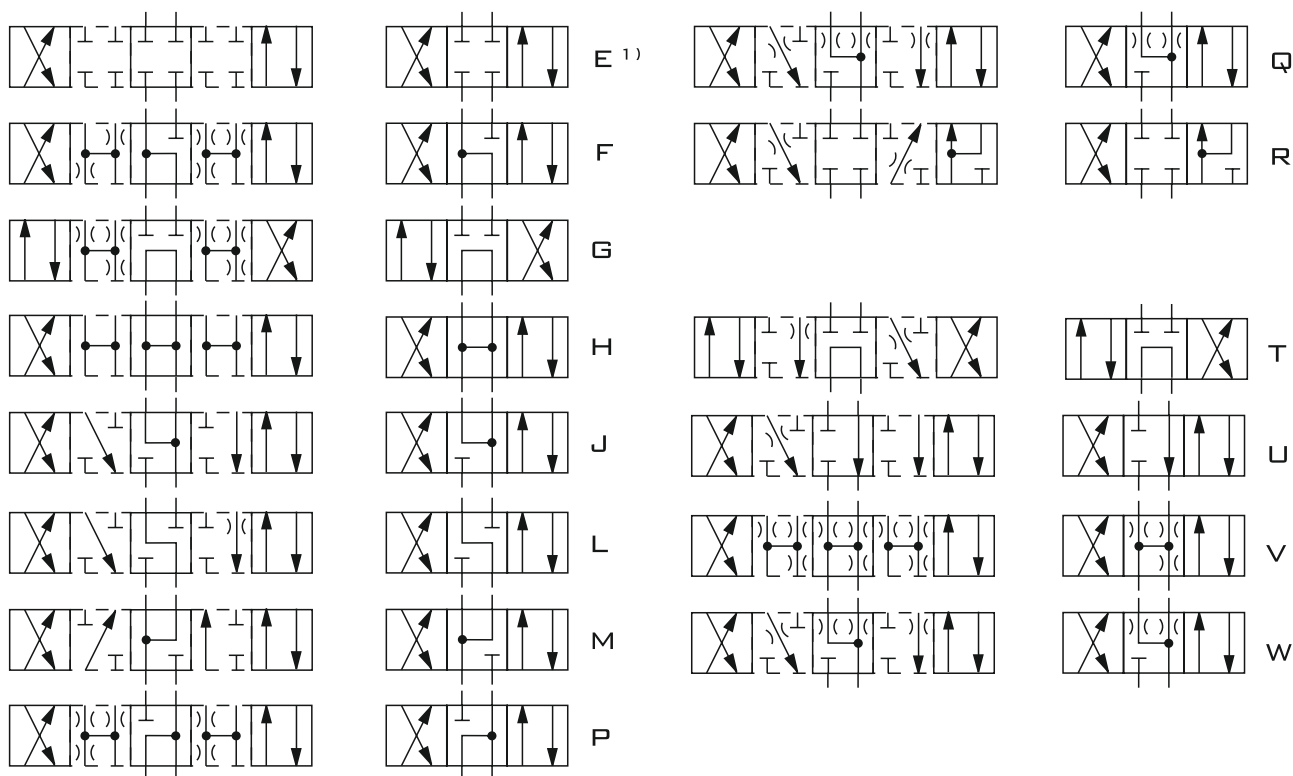
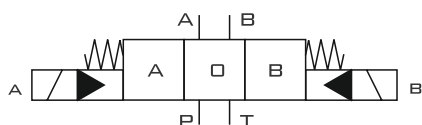
2-POSITION VALVES



SEE ALSO:
WE6, WE10

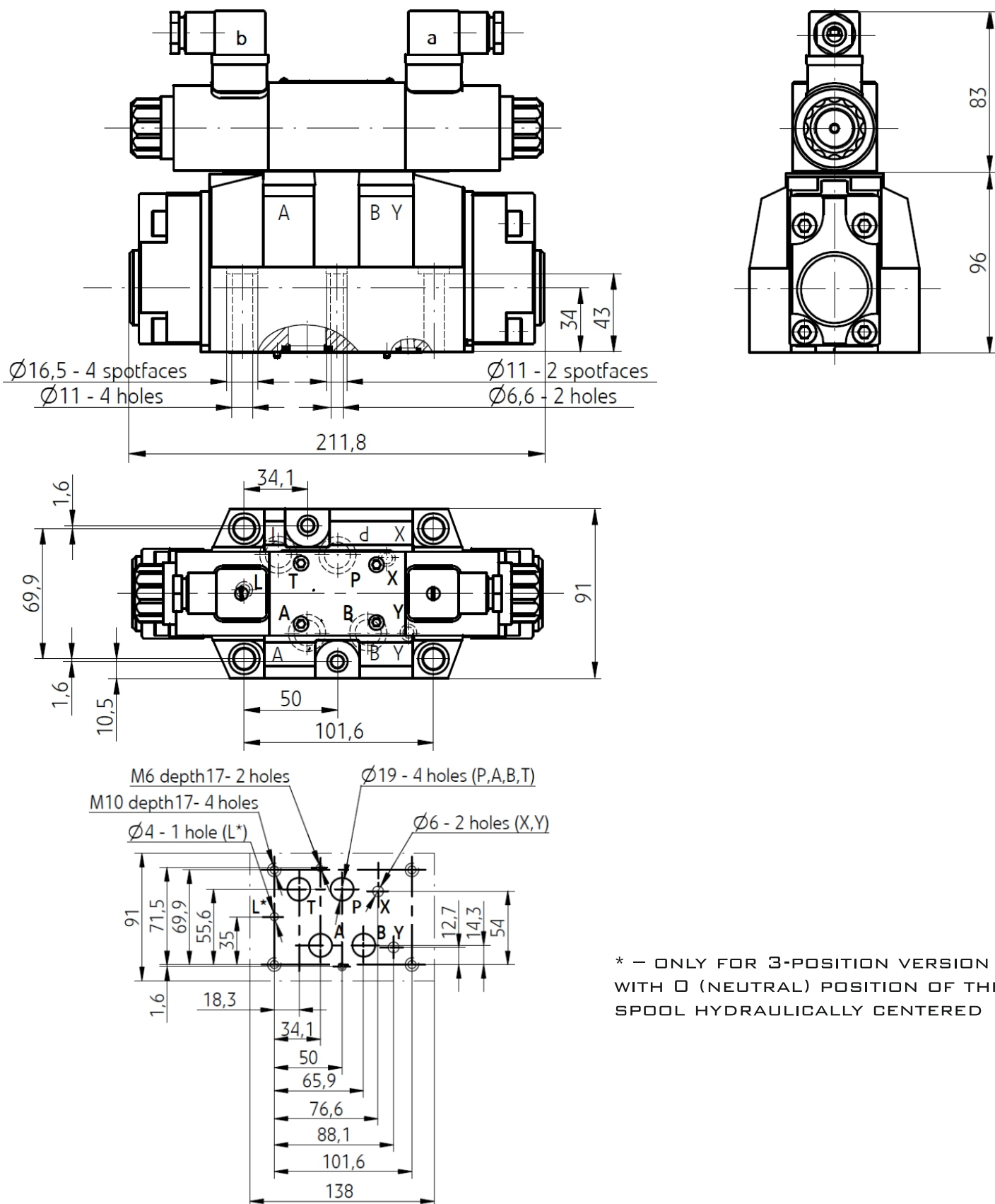
SPOOL SYMBOLS

3-POSITION VALVES

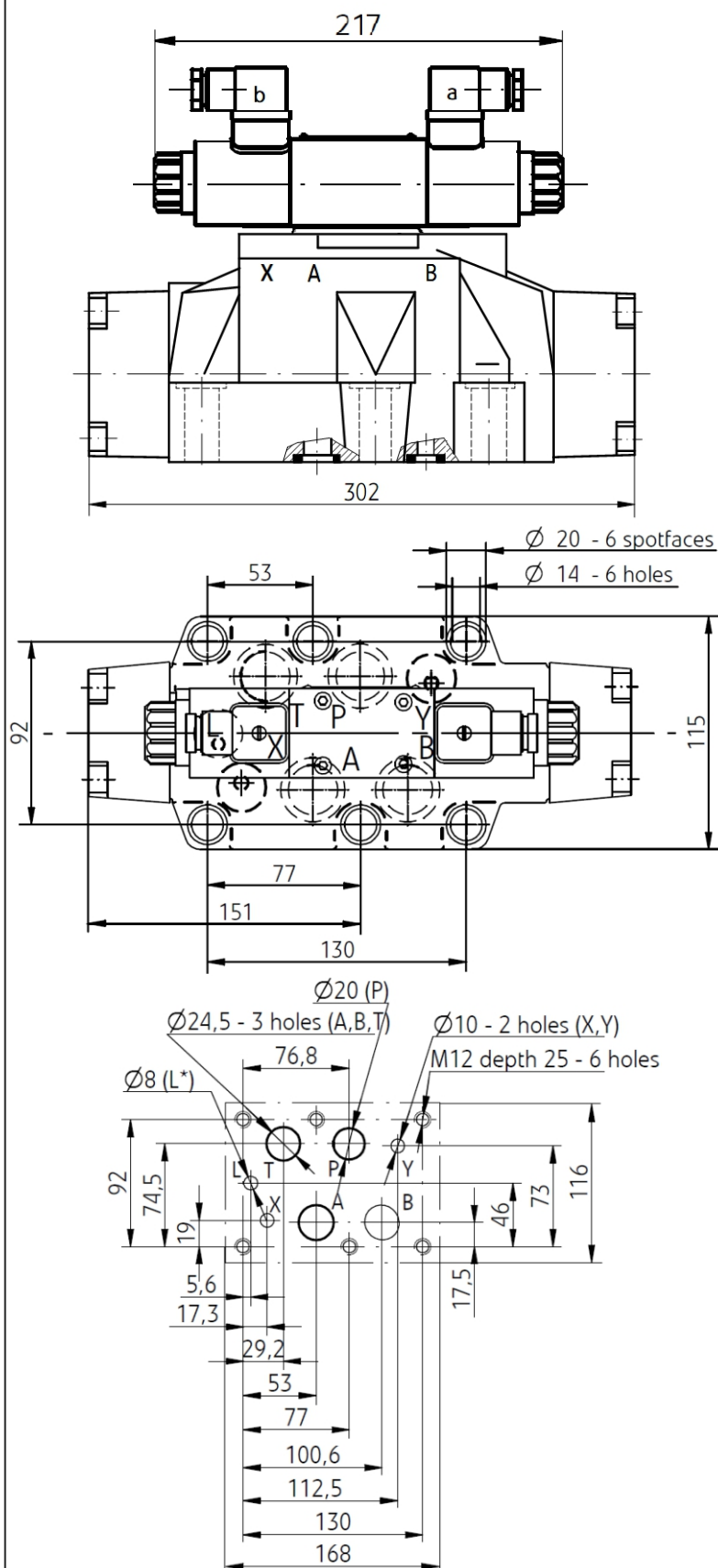


1) EXAMPLE: SYMBOL E WITH ACTUATING SIDE "A" = ORDERING CODE ..EA..

SUBPLATE INSTALLATION DIMENSIONS 4WEH16...

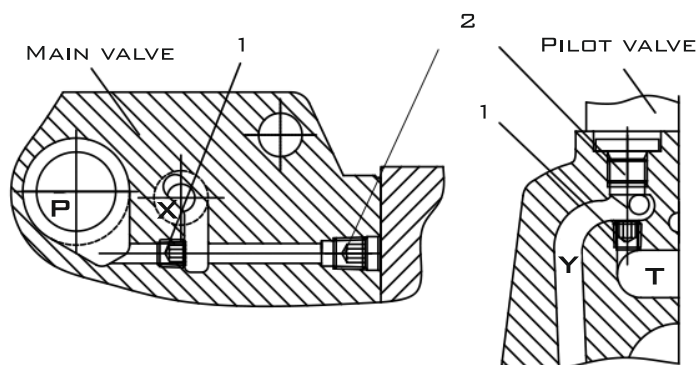


SUBPLATE INSTALLATION DIMENSIONS 4WEH25...



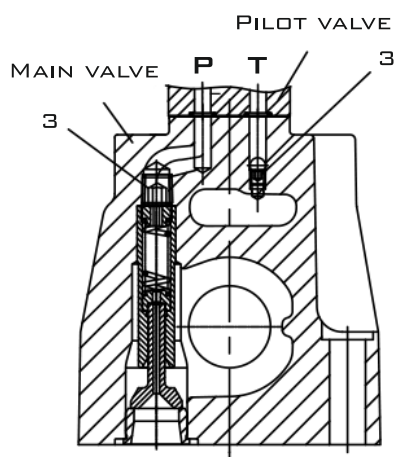
* - ONLY FOR 3-POSITION VERSION
WITH O (NEUTRAL) POSITION OF THE
SPOOL HYDRAULICALLY CENTERED

PILOT FLUID SUPPLY



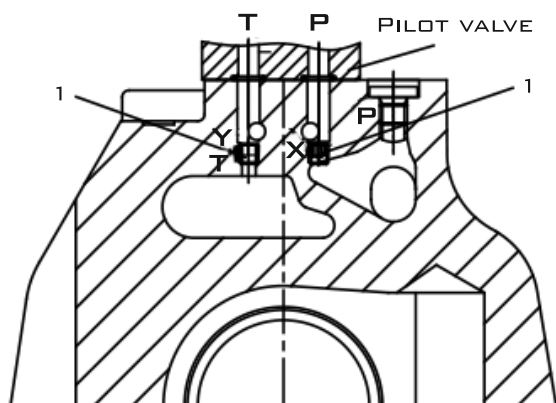
4WEH16

1. CONVERSION BETWEEN INTERNAL SUPPLY AND EXTERNAL SUPPLY:
DISMOUNTING PLUG SCREW (2) FORM P CHANNEL ON THE SIDESURFACE OF MAIN VALVES AND INSTALLING M6 BOLT (1) IS INTERNAL SUPPLY. DISMOUNTING M6 PLUG BOLT (1) IS INTERNAL SUPPLY.
2. CONVERSION BETWEEN INTERNAL DRAIN AND EXTERNAL DRAIN:
DISMOUNTING PLUG SCREW (2) FORM T HOLE ON THE TOP OF MAIN VALVES AND INSTALLING M6 PLUG BOLT (1) IS INTERNAL DRAIN. DISMOUNTING M6 BOLT (1) IS EXTERNAL DRAIN.



4WEH25

1. CONVERSION BETWEEN INTERNAL SUPPLY AND EXTERNAL SUPPLY:
P CHANNEL ON THE TOP OF MAIN VALVE BODIES WITH M6 BOLT (3) IS EXTERNAL SUPPLY AND WITH M6 BOLT (3) DISMOUNTED IS INTERNAL SUPPLY.
2. CONVERSION BETWEEN INTERNAL DRAIN AND EXTERNAL DRAIN:
DISMOUNTING PLUG BOLT (3) FORM T HOLE ON THE TOP OF MAIN VALVES AND INSTALLING M6 PLUG BOLT (1) IS INTERNAL DRAIN. DISMOUNTING M6 BOLT (1) IS EXTERNAL DRAIN.



4WEH32

1. CONVERSION BETWEEN INTERNAL SUPPLY AND EXTERNAL SUPPLY:
DISMOUNTING PLUG SCREW (1) FORM P HOLE ON THE UNDERSURFACE OF MAIN VALVES AND INSTALLING M6 BOLT (1) IS INTERNAL SUPPLY. DISMOUNTING M6 PLUG BOLT (1) IS INTERNAL SUPPLY.
2. CONVERSION BETWEEN INTERNAL DRAIN AND EXTERNAL DRAIN:
DISMOUNTING PLUG SCREW (1) FORM T HOLE ON THE TOP OF MAIN VALVES AND INSTALLING M6 PLUG BOLT (1) IS INTERNAL DRAIN. DISMOUNTING M6 BOLT (1) IS EXTERNAL DRAIN.

