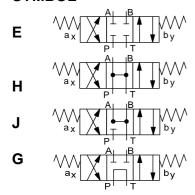


INTERNATIONAL



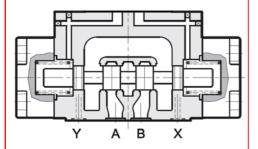
4/3-Directional control valve
Hydraulically operated
Optional with diversion plate,
or pilot valve
4WH E 10

SYMBOL



up to 150 l/min up to 320 bar

FUNCTION



FEATURES

- Electro-hydraulically operated with pilot valve NW6 or hydraulically operated with diversion plate
- Flows up to 150l/min
- Internal or external ported pilot supply and drain line selectable by internal plug setting
- Attention: Pilot valve, diversion plate and fixing screws are not in the scope of delivery

SPECIFICATIONS

Fluids:

Operating pressure: max. 320 bar

Flow rate symbols E, H, J: max. 150 l/min at 210 bar (120 l/min at 320 bar)

Symbol G: max. 120 l/min at 210 bar

(100 l/min at 320 bar) max. 150 l/min

Hydraulic oil according to

Pilot pressure: min. 5 up to max. 210 bar

Pressure on T line: max. 140 bar

(with internal drain)
Pressure on T line: max. 250 bar

(with external drain)

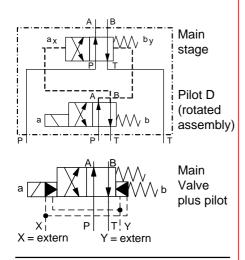
DIN 51524 part 1 and 2
Media operating temp. range: -20°C up to max. +80°C
Ambient temp. range: -20°C up to max. +50°C

Viscosity range: 10 – 400 mm²/s is recommended
Filtration: Class 20/18/15 according to ISO 4406
Weight: 6,6 kg without pilot valve and short-circuit

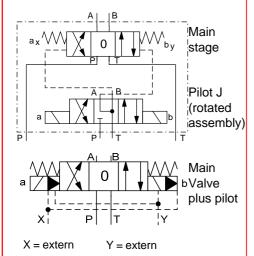
subplate

Example for assembled pilot valve

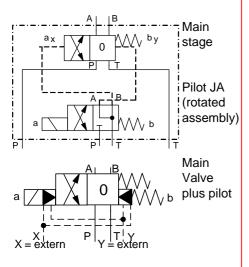
4/2 directional valve with spring offset Type 4WEH 10, 16



4/3 directional valve spring centered Type 4WEH 10, 16

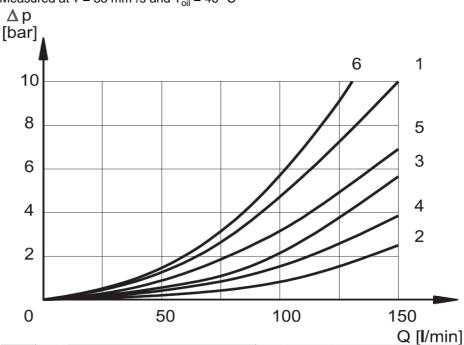


4/2 directional valve with spring offset Type 4WEH 10, 16



PERFORMANCE

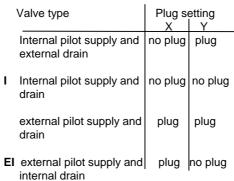
Measured at $v = 33 \text{ mm}^2/\text{s}$ and $T_{oil} = 46^{\circ} \text{ C}$

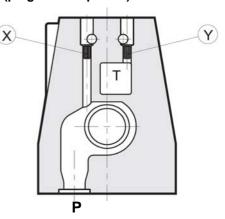


Curves

Symbol	Piston position			Ports		
		P -> A	P -> B	A -> T	B -> T	P -> T
E	not operated					
	operated	1	1	2	3	
Н	not operated					*6
	operated	5	5	2	4	
J	not operated			1•	10	
	operated	1	1	1	4	
G	not operated					6
	operated	6	6	3	5	
Q	not operated					
	operated	1	1	2	2	
EA	not operated					
	operated	-	1	2	-	
НА	not operated					*6
	operated	-	5	2	-	
JA	not operated			1•	10	
	operated	-	1	1	-	
GA	not operated					6
	operated	6	-	-	5	
QA	not operated					
	operated	-	1	2	-	
D	not operated	1	-	=	3	
	operated	-	1	4	-	
D/OF	operated	1	1	4	3	
	* A-B blocked	•B blocked	OA blocked			

Sectional View (plugs M5 x 6 placed)





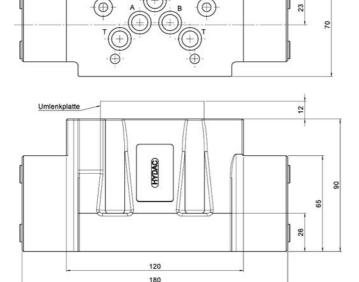
Standard models	Part-no.					
4 WHE 10 E S01/V	3492056					
4 WHE 10 J S01/V	3492059					
4 WHE 10 G S01/V	3492060					
4 WHE 10 H S01/V	3492061					
4 WHE 10 E S01/N	3492062					
4 WHE 10 J S01/N	3492063					
4 WHE 10 G S01/N	3492064					
4 WHE 10 H S01/N	3492065					
Other models on request						

Diversion plates (see accessory equipment)

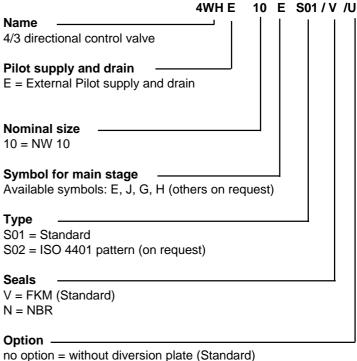
UP-6-PATB-S01/1/V 3581661 UP-6-PBTA-S01/1/V 3581663

DIMENSIONS

(with diversion plate)



MODEL CODE



U = with diversion plate PATB, fixing screws included

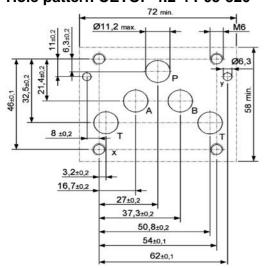
Fixing screws: 4 pcs. M6 x 50 DIN 912 Torque 14 + 1 Nm for 12.9 or 8 Nm for 8.8.

Hole pattern and seals: 5 pcs. O-Ring 12,42 x 1,78 - 90Sh 2 pcs. O-Ring 9,25 x 1,78 - 90Sh

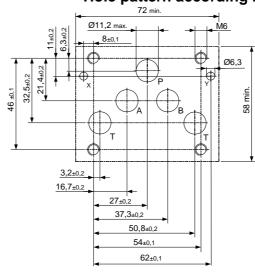
All dimensions in mm.

Plugs and fastening screws are not in the scope of supply.

Hole pattern CETOP 4.2-4 P05-320



Hole pattern according ISO 4401-05-04-0-05 (S02)



Annotation

The technical information in this brochure are relating to the operating conditions and applications. At deviant applications and/or operating conditions please contact the technical dept.

Technical information are subject to technical modifications.

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