



4/3, 4/2 and 3/2 directional valve with wet-pin AC or DC solenoid

2.11

Type WE 6...L7X

Size (NG) 6
Up to 315 bar
Up to 60 L/min



Contents

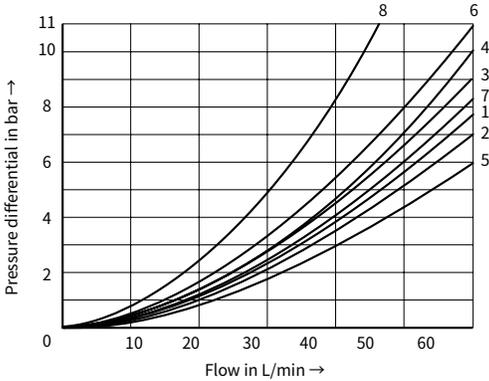
Function and configurations	02
Ordering code	02
Symbols	03
Technical data	03
Electric data	03
Characteristic curves	04
Performance limits	04
Unit dimensions	05

Features

- Direct operated directional solenoid valve, standard version
- Porting pattern according to DIN 24 340 form A, ISO 4401 and CETOP-RP 121 H
- Wet pin DC solenoids with detachable coil
- Pressure-tight chamber needs not to be opened for a coil change

Characteristic curves (Measured at $\vartheta_{oil}=40^{\circ}\text{C} \pm 5^{\circ}\text{C}$, using HLP46)

Δp -qV characteristic curves



Symbol	Direction of flow			
	P to A	P to B	A to T	B to T
A, B	3	3	-	-
C	1	1	3	1
D, Y	4	4	3	3
E	3	3	1	1
J	1	1	2	1
G	6	6	7	7
H	2	5	2	2

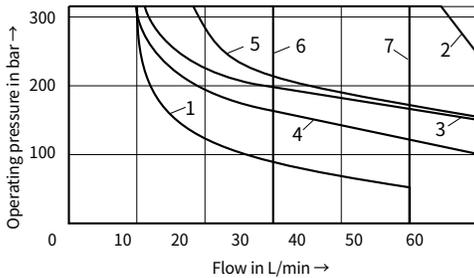
7 Symbol "H" in central position P → T
 8 Symbol "G" in central position P → T

Performance limits (Measured at $\vartheta_{oil}=40^{\circ}\text{C} \pm 5^{\circ}\text{C}$, using HLP46)

The specified switching performance limits are valid with two directions of flow (e.g. from P to A and simultaneous return flow from B to T).

Due to the flow forces acting within the valve, the permissible switching performance limit can be significantly lower with only one direction of flow (e.g. from P to A, with port B being closed)!

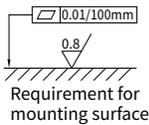
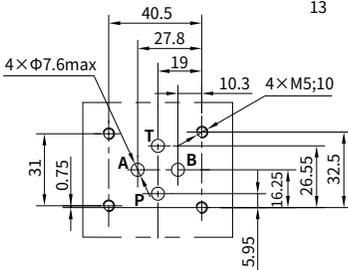
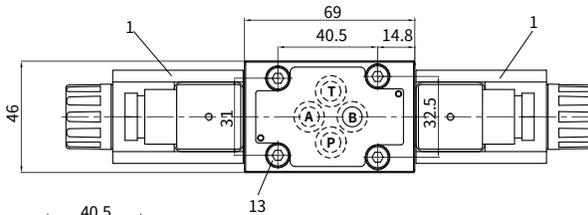
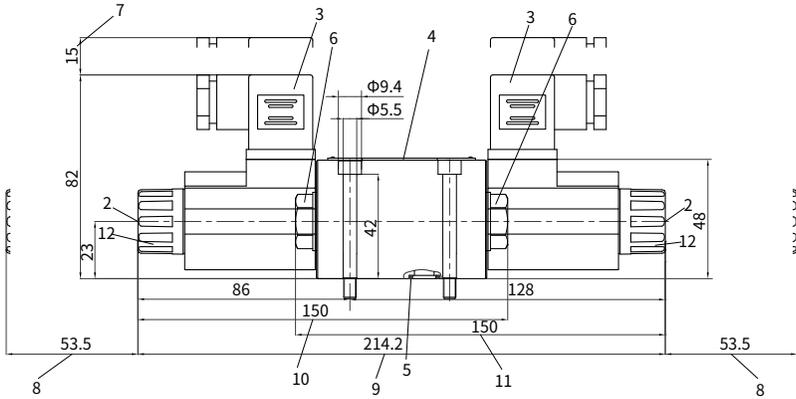
The switching performance limit was determined with the solenoid at operating temperature, at 10 % under-voltage and without tank pre-loading.



DC solenoid	
Characteristic curve	Symbol
1	A, B
2	C, Y
3	E
4	J
5	D
6	G, H
7	D/OF

Unit dimensions

(Dimensions in mm)



- 1 Solenoid
- 2 Manual override button
- 3 Plug-in connector to DIN 43650
- 4 Nameplate
- 5 O-ring: 9.25 × 1.78
- 6 Plug screw for valves with one solenoid
- 7 Space required to remove connector
- 8 Space required to remove coil
- 9 Dimension of 3-position valves, standard version
- 10 Dimension of 2-position valves with solenoid at 'A', standard version
- 11 Dimension of 2-position valves with solenoid at 'B', standard version
- 12 Securing nut, tightening torque $M_A=4Nm$
- 13 Valve fixing screws. Hexagon socket head cap screw, M5 × 50 GB/T 70.1-10.9, Tightening torque, $M_A=8.9Nm$

It must be ordered separately, if connection plate is needed.

- Type: G341/01(G1/4), G341/02 (M14 × 1.5)
- G342/01(G3/8), G342/02 (M18 × 1.5)
- G502/01(G1/2), G502/02 (M22 × 1.5)

Notes: 4 hexagon socket head cap screws UNC 10-24 UNC × 2" ASTM-A574 (separate order)
 (Friction coefficient $\mu_{total}=0.19$ to 0.24) ;
 Tightening torque $M_A=11Nm$ [8.2ft-lbs] ± 15%
 (Friction coefficient $\mu_{total}=0.12$ to 0.17) ;
 Tightening torque $M_A=8Nm$ [5.9ft-lbs] ± 10%

China

+86 400 101 8889

America

+01 630 995 3674

Germany

+49 172 3683463

Japan

+81 03 6809 1696



© This brochure can be reproduced, edited, reproduced or transmitted electronically without the authorization of Hengli Hydraulic Company. Due to the continuous development of the product, the information in this brochure is not specific to the specific conditions or applicability of the industry, thus, Hengli does not take any responsibility for any incomplete or inaccurate description.