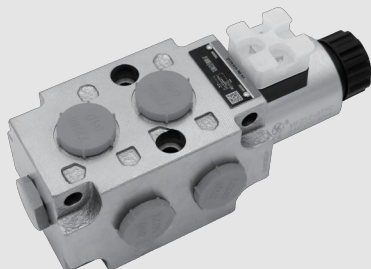# Two-position Six-way Solenoid Valve

Model: JYT-MH8WE8

ГИДРООТВЕТ
доступная гидравлика

◆ Size 08
◆ Maximum working pressure 310 bar
◆ Maximum working flow 80 L/min

Contents

Features

● Usable as stand-alone, or as multiple stackable units
● Control spool operated by solenoid with detachable coil fastened by a ring nut.
● Wet-pin tube for DC coil with push rod for mechanical override in case of voltage shortage
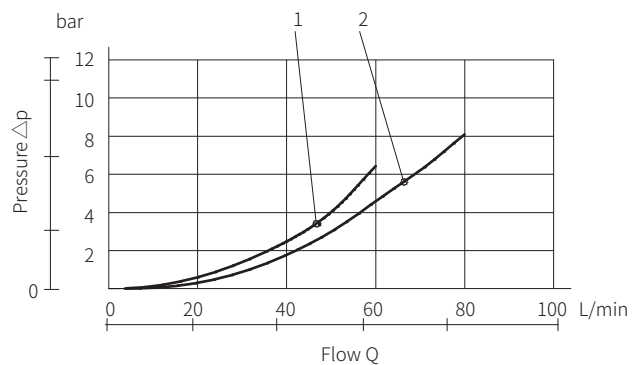● Optional manual override (push-button)

Function description, sectional drawing

The JYT-MH8WE8 is a two-position six-way directional valve controlled by direct operated solenoid.
The valve mainly consists of valve body (1), control spool (2), reset spring (3) and solenoid (5).
This valve is used to connect two oil inlet ports P1 and P2, and transfer it to the outlet ports (C1-C4) with spool in position "0" when the solenoid is powered off, or to the outlet ports (C2-C3) with spool in position "1" when the solenoid is powered on.
When the coil is powered off, the reset spring (3) pushes back the control spool (2) and keeps it in the position "0". The coil (4) is fixed to the magnetic tube by the ring nut (5). In the case of voltage shortage, the manual override (6) can also move the control spool (2) to connect to the external drain of the oil tank to ensure switching operations at higher working pressure.

C1 P1 C2 C4 P2 C3

6 5 4 2 1 3

Models and specifications

JYT-MH8WE 8 / C

Rekith

2-position six-way solenoid valve   =MH8WE8

size 8   .   =8

wet-pin solenoid with detachable coil   =C

12V DC   .   =G12
24V DC   =G24
28V DC   =G28

internal drain   =I
external drain   =E

more information in text

sealing material

N=   NBR seals
V=   FKM seals
(consult for other seals)

Z5L=   right angle plug
FS2=   water-proof plug

No code= no manual emergency operation
N9=   with hidden manual emergency operation

Symbols:

I type Internal drain

C1 C4

C2
C3

a   1   0

P1 P2

E type external drain

C1 C4

C2
C3

a   1   0

P1 P2

Transition function:

1   0

Technical parameters

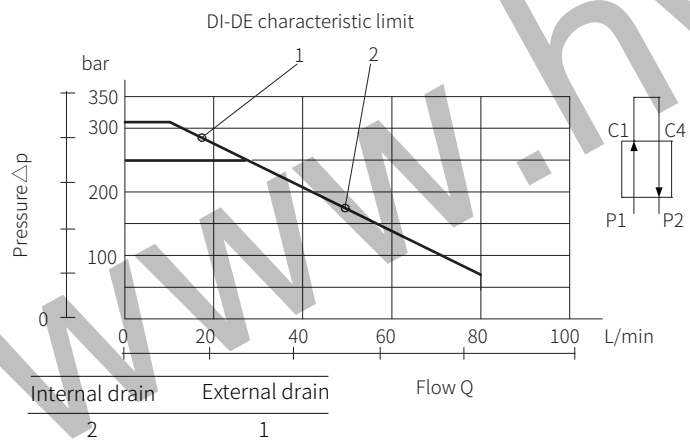| Fluid temperature range	°C	-30 to +80 (NBR seal)
		-20 to +80（FKM seal)
Max. pressure with external drain	bar	310
Max. pressure with internal drain	bar	250
Max. flow	L/min	80
Working medium		Mineral oil; phosphate
Viscosity range	mm²/s	5 to 420
Cleanliness of oil		The maximum allowable pollution level of oil is NAS1638 Class 9 and ISO4406 Class 20 / 18 / 15
Voltage (DC)	V	12 24 28 48
Power consumption (W)	W	36
Current (nominal at 20 °C (68 °F))	A	3.0 1.53 1.32 0.75
Resistance (nominal at 20 °C (68 °F))	Ω	3.97 15.67 20.42 63.60

Characteristic curve

Component size   unit：mm

Measured with hydraulic oil temperature at 45 ± 5 ℃, environment temperature at 20 ℃

Model	Curve			
	P1>C1	P1>C2	P2>C4	P2>C3
JYT-MH8WE8-G3/8	1	1	1	1
JYT-MH8WE8-G1/2	2	2	2	2

The performance curves are measured with flow going across and coming back, like P1>C1 and C4>P2.

DI-DE characteristic limit

Internal drain	External drain
2	1

	D	T	T1
JYT-MH8WE8-G3/8	Φ25	1.3	0.5
JYT-MH8WE8-G1/2	Φ30	1	0.5