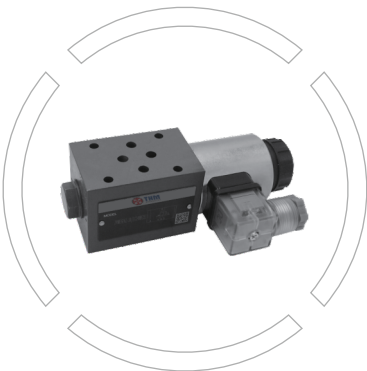


Z4WE6

Isolating valve
Size 6
Maximum working pressure 315 bar
Maximum working flow 40 L/min



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Features

- Directional spool valve operated by solenoid
- Control the opening and closing of the oil
- The manual emergency operation controls the movement of the control spool when solenoid de-energized



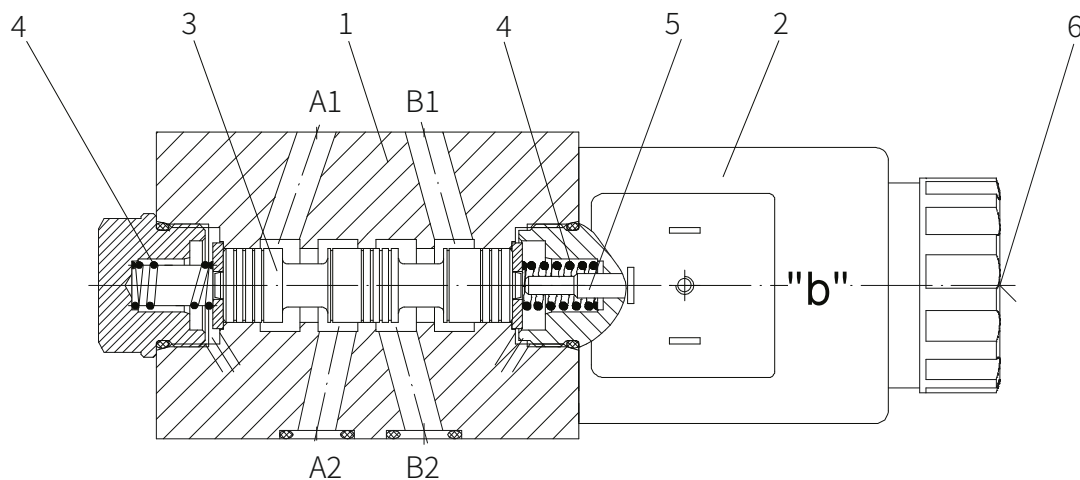
Functional Description, Sectional Drawing

The Z4WE6 isolating valve is solenoid operated directional spool valve. It controls the opening and closing of the oil.

The valve is composed of valve body (1), one or two solenoids (2), control spool (3) and 2 reset springs (4). In the de-energized condition, the control spool (3) is held in the neutral or initial position by reset spring (4), the control spool (3) is controlled via wet-pin solenoid (2). To ensure proper function, the pressure chamber of the solenoid must be filled with oil.

The force of the solenoid (2) via push rod (5) acts on control spool (3) and pushes it from the stationary position to the required position. Then port A1, A2, B1 and B2 can be either connected or disconnected. The port P and T always flow freely.

When the solenoid (2) is de-energised, the control spool (3) is returned to the neutral position via reset spring (4). The manual emergency operation controls the movement of the control spool when solenoid de-energized.



Model: Z4WE6...XT/



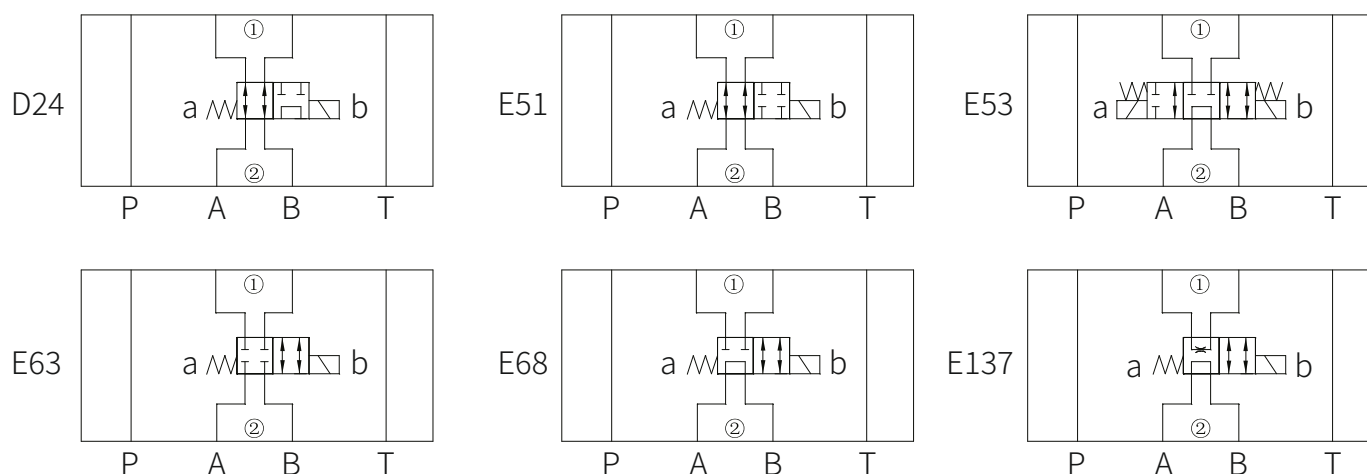
Technical data

Z4WE 6 - 3X T / C - - - *									
Isolating valve									more information in text
size 6	=6								sealing material
symbols e.g.: D24, E63...									No code = NBR seals
30 to 39 series (30 to 39 series installation and connection size unchanged)		=3X							V = FKM seals (consult for other seals)
THM									Z4 = standard plug (not for rectified type)
wet-pin solenoid									Z5L = large right angle lamp plug
									N9 = with hidden manual emergency operation
									G24 = 24V DC
									W220R = 220VAC with rectifier
									W110R = 110VAC with rectifier
									other voltages see technical parameters

Note: If AC voltage used, it is recommended to use the rectified AC voltage

Functional Symbol

(①= Valve side, ②= Subplate side)





Technical Parameters

Installation position		Optional
Environment temperature range	°C	-30 to + 50 (NBR seal)
		-20 to + 50 (FKM seal)
Weight	Valve with one solenoid	kg 1.5
	Valve with two solenoids	kg 2.0
Maximum working pressure	Oil port A, B, P	bar 315
	Oil port T	bar 210 (DC) , 160 (AC)
Maximum flow		L/min 40
Working medium		Mineral oil - for NBR seals or FKM seals
		Phosphonolipid - for FKM seals
Working medium temperature range	°C	-30 to + 80 (NBR seal)
		-20 to + 80 (FKM seal)
Viscosity range	mm ² /s	2.8 to 500
Cleanliness of oil		The maximum allowable pollution level of oil is ISO4406 Class 20 / 18 / 15

Electrical Parameters

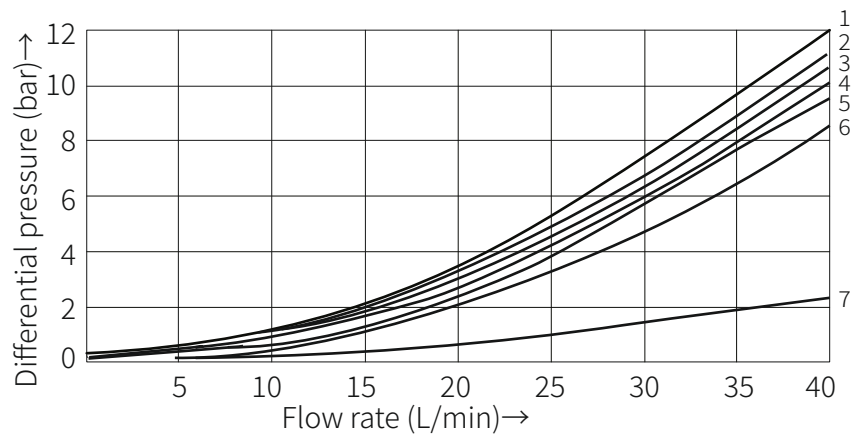
Voltage type		DC	AC 50/60Hz
Voltage available	V	12, 24, 96, 110, 205, 220	110, 220, 230
Allowable voltage tolerance	%	+10 to -15	
Power consumption(DC)	W	30	-
Holding power(AC)	VA	-	50
Impact power(AC)	VA	-	220
Power rate		continuous	
Switching time to on	ms	20 to 45	10 to 20
ISO 6403 off	ms	10 to 25	15 to 40
Switching frequency	times/h	to 15000	to 7200
Protection grade to DIN 40050		IP 65	

Note:

When electrical connection, the protective conductor (PE) must be connected properly as rules.

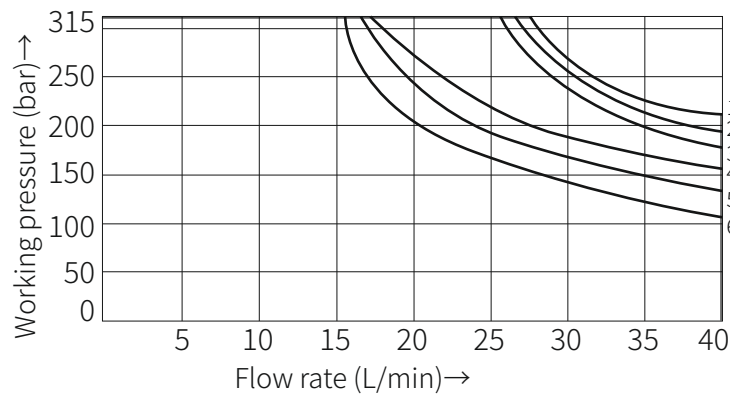


Characteristic curves



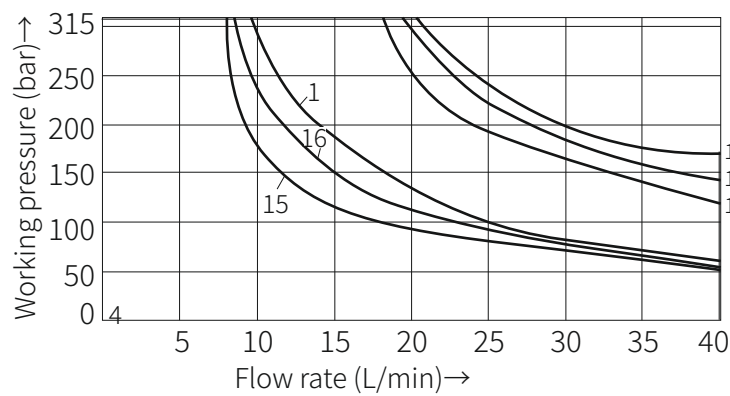
	A2 to A1	A1 to A2	B2 to B1	B1 to B2	A2 to B2	B2 to A2	T2 to T2	P2 to P1
D24	4	1	2	4	3	2	7	7
E51	3	1	1	3	-	-	7	7
E53	2	2	2	2	5	2	7	7
E63	2	5	5	3	-	-	7	7
E68	4	4	6	5	4	5	7	7
E137	1	4	3	2	5	6	7	7

Characteristic limit



- 1 E63 1 E51
- 2 E68 2 E137
- 3 E53 3 D24

(Measured when using HLP46,
 $j_{oil}=40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ and 24VDC)



	W230-50Hz	W230-60Hz
E63	11	14
E68	12	16
E53	13	16
E137	15	15
E51	15	15
D24	15	15

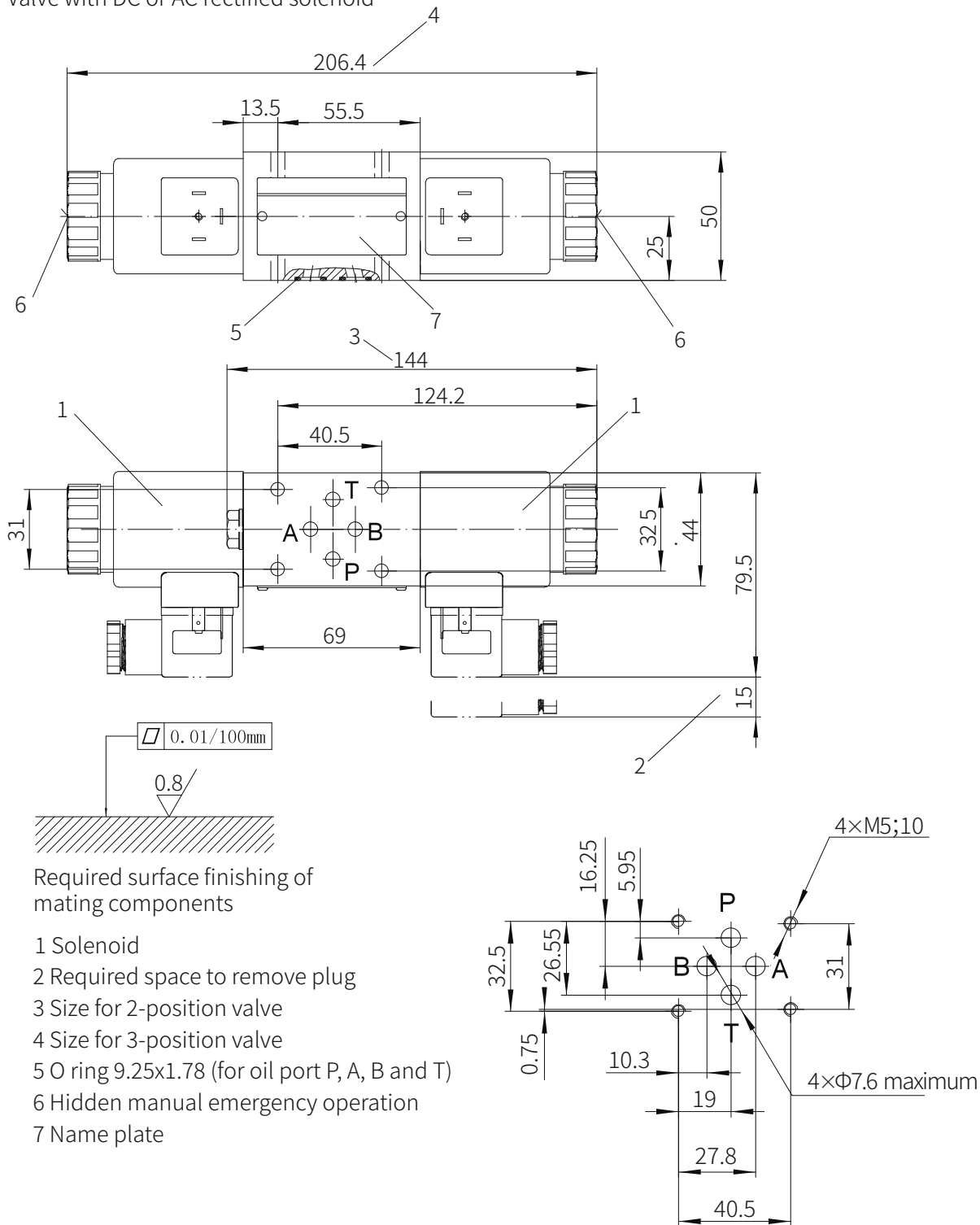
(Measured when using HLP46,
 $j_{oil}=40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ and 230VAC)



Unit Dimensions

(Dimensions in mm)

Valve with DC or AC rectified solenoid



It must be ordered separately if connection subplate is needed.

Subplate model:

G341/01(G1/4"); G341/02(M14x1.5)

G342/01(G3/8"); G342/02(M18x1.5)

G502/01(G1/2"); G502/02(M22x1.5)

Valve fixing screw

M5-10.9 grade GB/T70.1-2000

Tightening torque $M_A=7.8\text{Nm}$

(Dimensions in mm)

[illegible]

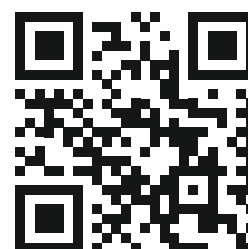
Tightening torque $M_A = 7.8 \text{ Nm}$

The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.



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