Solenoid Operated Poppet Valve

Model: M-2SEW6R...3XJ

- Size 6
- Maximum working pressure 400 bar
- Maximum working flow 15 L/min

Contents

Features

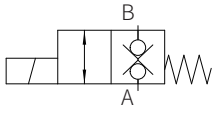
- 2/2 directional design
- Both directions are closed without leakage when de-energized
- Leveraged operation

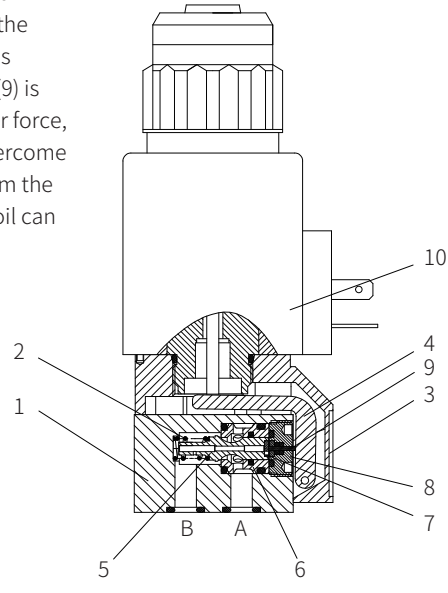
Function description, sectional drawing

The M-2SEW6R...3XJ valve is 2/2-way normally closed shut-off valve with non-leakage sealed and conical core structure. The internal pressure balance enables the free flow direction and the maximum pressure bearing of all ports. There is no need to worry about the interaction between the control element and all the media due to the lever-type isolation operation.

The valve consists of the valve body (1), reset spring (2), bracket (3), lever (4), seat valve spool (5), sealing steel sleeve (6), damping gasket (7), locking sleeve (8), push rod (9), and solenoid (10). When de-energized, the seat valve spool (5) is acted upon by the sealing valve sleeve (6) through the reset force of the spring (2) to form a seal. At this time, the connection netween A and B is closed. When the solenoid valve is energized, the solenoid (10) is energized to push the lever (4). The push rod (9) is pushed to the left under the action of the lever force, thereby causing the seat valve spool (5) to overcome the spring force and move to the left away from the sealing valve sleeve, the valve is opened, the oil can flow from A to B and from B to A.

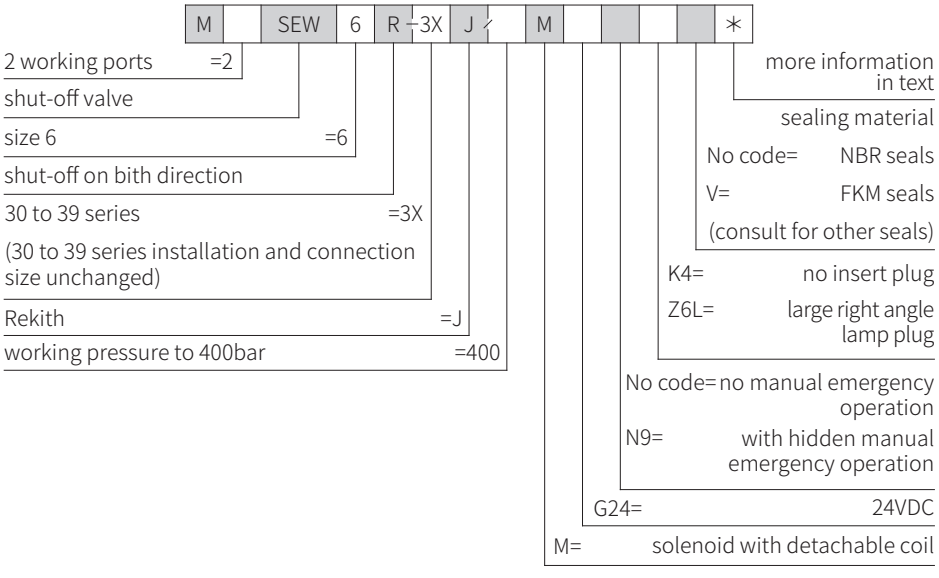
Functional symbol





Model M-2SEW6R-3XJ/400MG24N9K4

Models and specifications

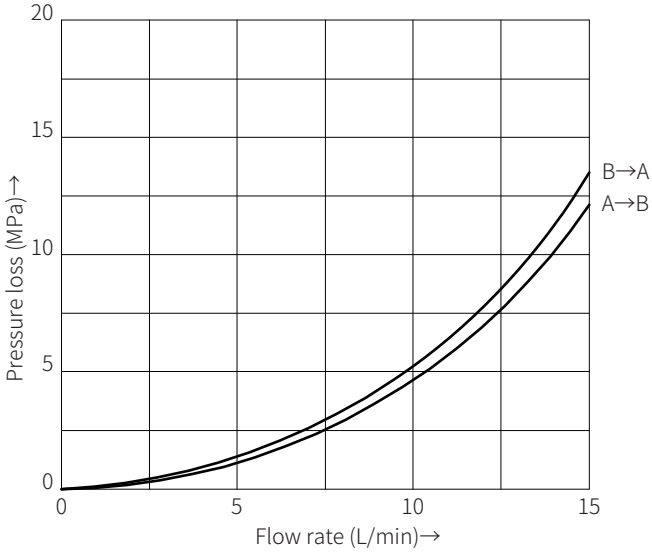


Technical parameters

Overview		
Weight	kg	About 0.7
Installation position		Optional, it is best to operate in a vertical direction with the control mode upward
Environment temperature range	°C	-30 to +80 (NBR seal)
		-20 to +80 (FKM seal)
Hydraulic		
Maximum working pressure	bar	400
Maximum flow rate	L/min	15
Viscosity range	mm^2/s	10 to 800
Cleanliness of oil		The maximum allowable pollution level of oil is ISO4406 Class 20/18/15

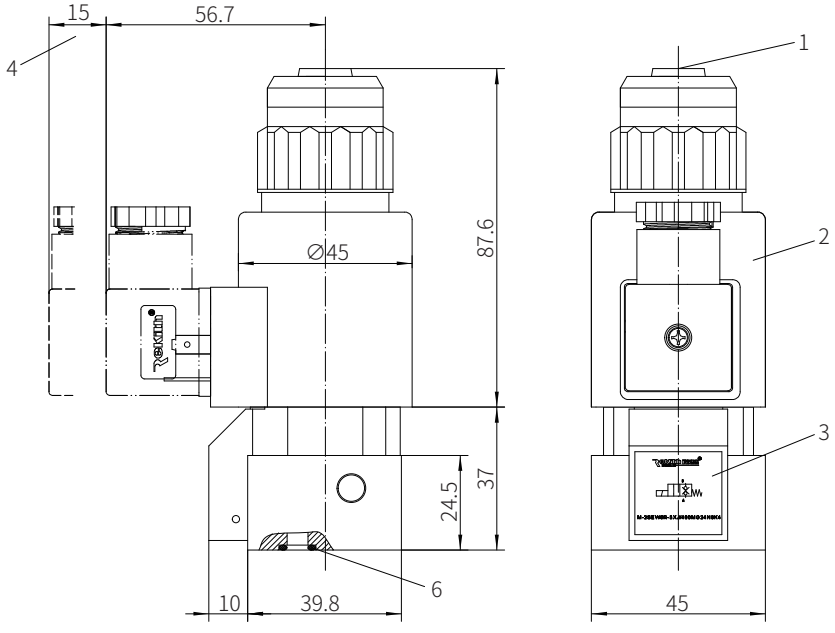
Characteristic curve

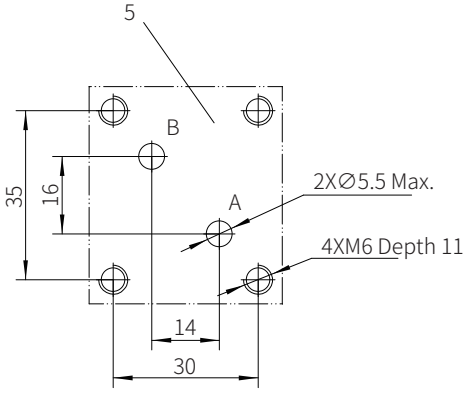
(Measured when using HLP46, ϑ_{oil}=40°C ± 5°C)

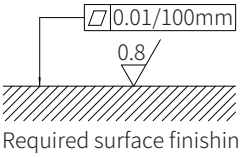


Component size

Size unit: mm







Required surface finishing of mating components

1 Manual emergency override
2 Solenoid
3 Name plate
4 Space required to remove the plug
5 Valve connection surface
6 O-ring 6*1.8 for oil port A, B
Valve fixing screw: M6*35-10.9
Max.tightening torque 9.5Nm