

Contact Details

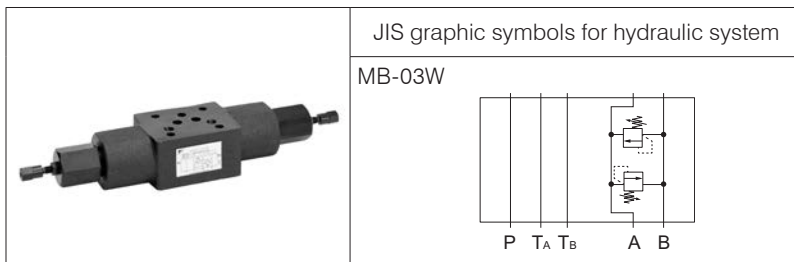
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03 Series Stacking Type Brake Valves



Nomenclature

※ - **MB** - **03** **W** - ※ - **45**
1 2 3 4 5 6

1 Applicable fluid code

No designation: Petroleum-based hydraulic fluid,
water-glycol hydraulic fluid
F: Phosphate ester hydraulic fluid

2 Model No.

MB: Modular stacking type brake valve

3 Nominal diameter

03: $\frac{3}{8}$

4 Control port

W: Port A/B

5 Pressure adjustment range

1: 0.8 to 7 MPa { 8 to 70 kgf/cm² }
3: 3.5 to 25 MPa { 35 to 250 kgf/cm² }

6 Design No.

(The design No. is subject to change)

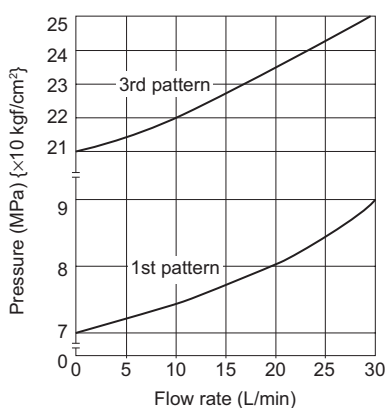
Specifications

Model code	Maximum operating pressure MPa {kgf/cm ² }	Maximum flow rate L/min	Pressure adjustment range *1 MPa {kgf/cm ² }	Mass kg	Pressure change MPa {kgf/cm ² } per screw revolution
MB-03W-1-45	25 {250}	30	0.8 to 7 { 8 to 70 }	4.8	0.9 { 9 }/revolution
MB-03W-3-45			3.5 to 25 { 35 to 250 }		2.5 { 25 }/revolution

Note: *1 The pressure adjustment ranges are indicated using cracking pressures.

Performance curves (viscosity: 32 mm²/s {cSt})

Pressure - Flow rate characteristics



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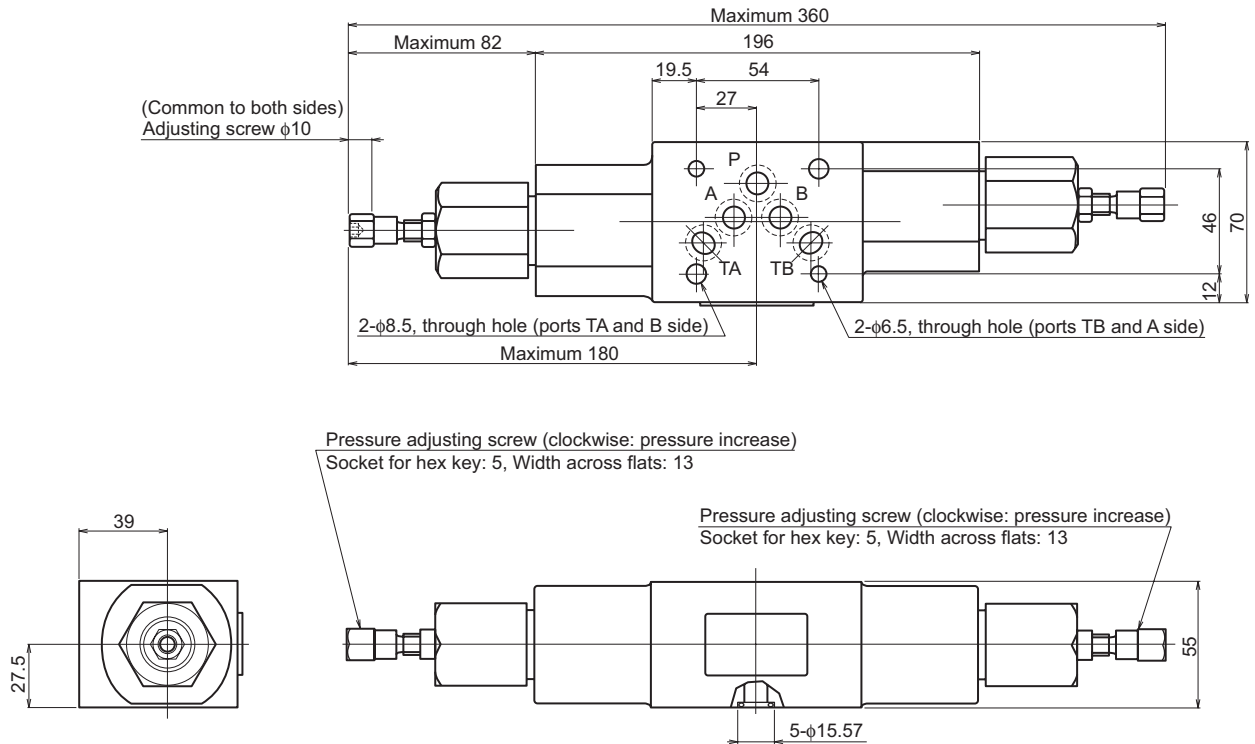
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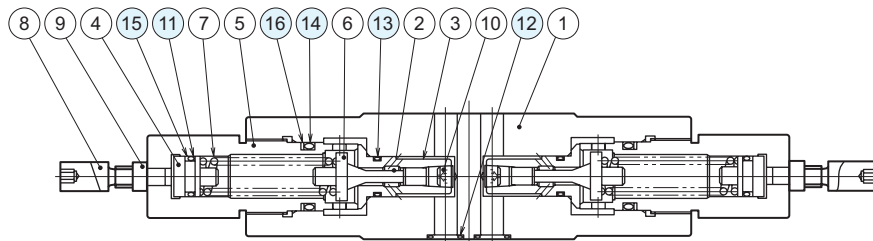
External dimension diagram

MB-03W-※-45



Sectional structural diagram

MB-03W-※-45



Sealing part table

Part No.	Name	Quantity	Part specifications
11	O-ring	2	JIS B 2401 1A P14
12	O-ring	5	AS568-014 (NBR, Hs90)
13	O-ring	2	JIS B 2401 1B P14
14	O-ring	2	JIS B 2401 1B P24
15	Backup ring	2	JIS B 2407 Bias cut P14
16	Backup ring	2	JIS B 2407 Bias cut P24