

Contact Details

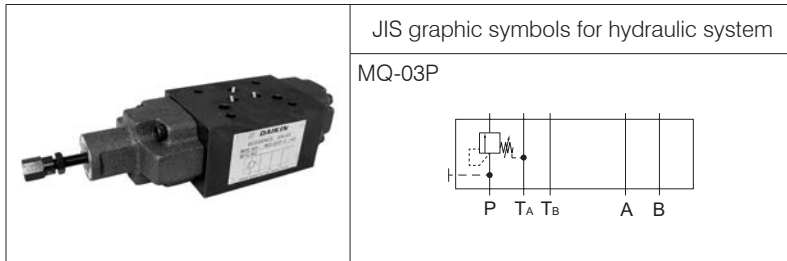
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03 Series Stacking Type Port P Sequence Valves



Nomenclature

※ - MQ - 03 P - 2 ※ - 40

1 2 3 4 5 6 7

1 Applicable fluid code

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

2 Model No.

MQ: Modular stacking type pressure control valve

3 Nominal diameter

03: 3/8

4 Control port

P: Port P

5 Function code

2: Sequence valve

6 Pressure adjustment range

A: 0.25 to 0.85 MPa { 2.5 to 8.5 kgf/cm² }
C: 0.5 to 3.5 MPa { 5 to 35 kgf/cm² }
E: 2 to 14 MPa { 20 to 140 kgf/cm² }

7 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
MQ-03P-2A-40	25 {250}	80	0.25 to 0.85 { 2.5 to 8.5 }	3.9	0.08 { 0.8 }/revolution
MQ-03P-2C-40			0.5 to 3.5 { 5 to 35 }		0.33 { 3.3 }/revolution
MQ-03P-2E-40			2 to 14 { 20 to 140 }		1.7 { 17 }/revolution

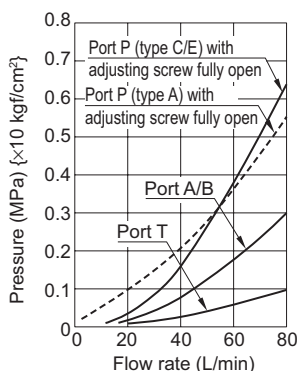
Note: *1 The pressure adjustment ranges are indicated using cracking pressures.

Handling

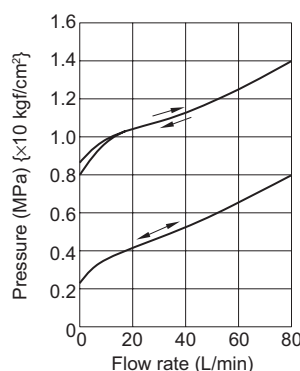
- The drain piping is connected to the tank port (port TA).
- When connecting two or more of these valves for sequential operation, set the valve pressures such that there is a minimum difference of 1 MPa {10 kgf/cm²} between two valves.

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

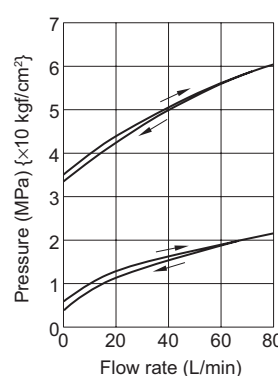
Pressure drop characteristics
MQ-03P-2※



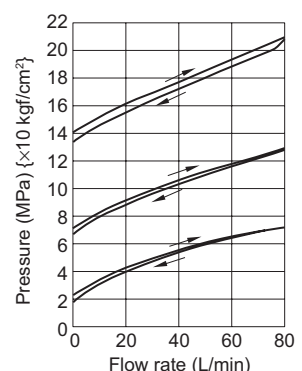
Pressure - Flow rate characteristics
MQ-03P-2A



MQ-03P-2C



MQ-03P-2E



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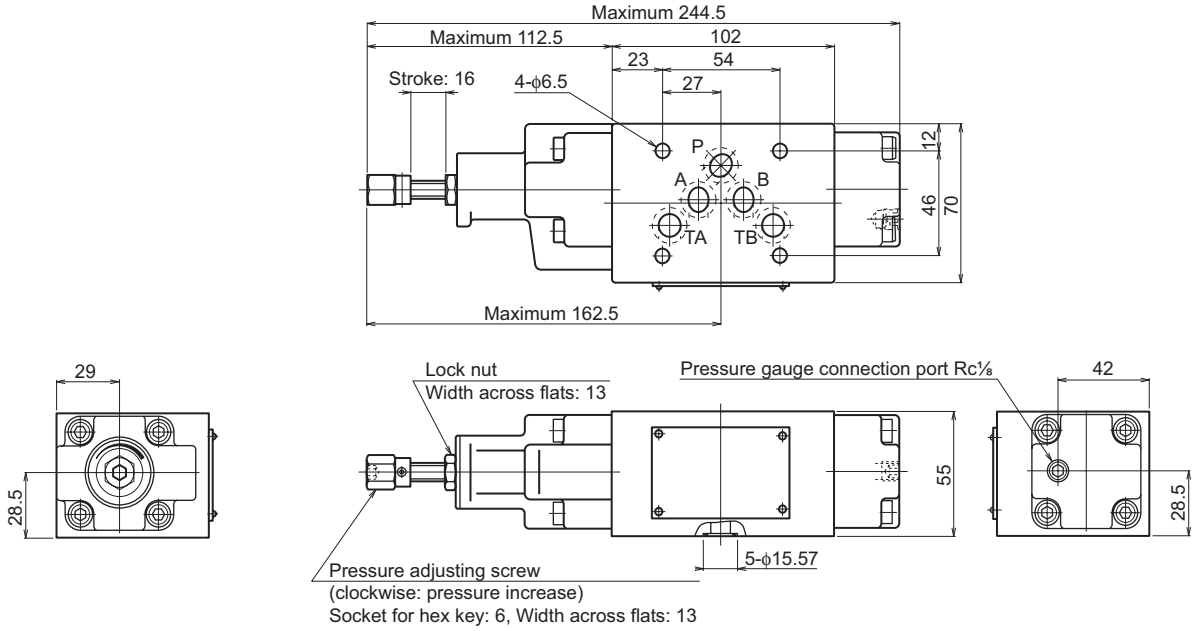
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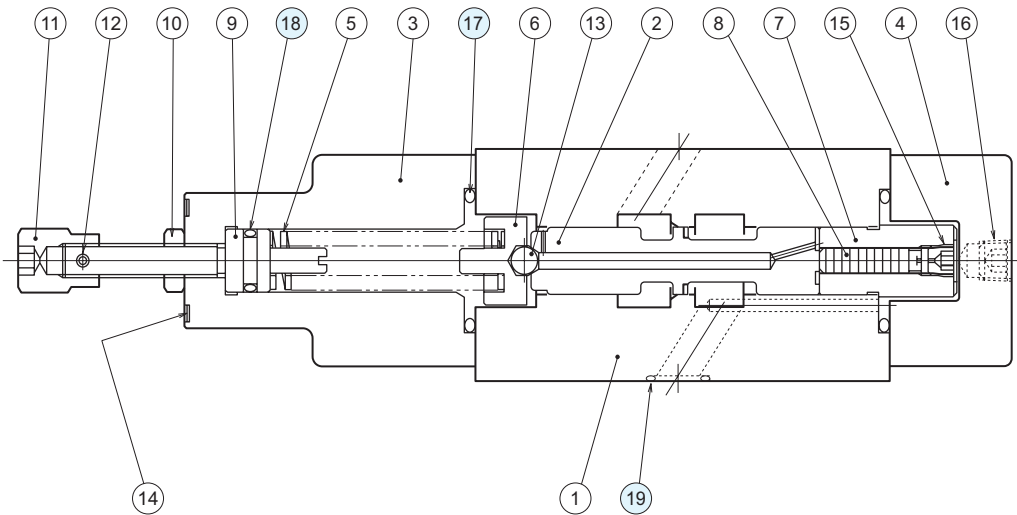
External dimension diagram

MQ-03P



Sectional structural diagram

MQ-03P



Sealing part table

Part No.	Name	Quantity	Part specifications
17	O-ring	2	JIS B 2401 1BP28
18	O-ring	1	JIS B 2401 1BP11
19	O-ring	5	AS568-014 (NBR, Hs90)