

Contact Details

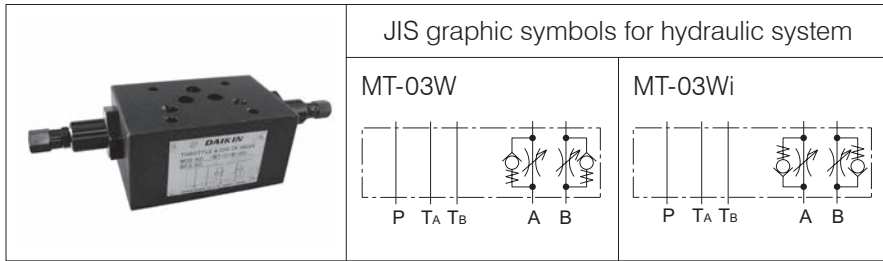
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03 Series Stacking Type Port A/B Throttle Valves



Nomenclature

※ - MT - 03 W ※ - ※ ※ - ※
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.

MT: Modular stacking type throttle valve

3 Nominal diameter

03: 3/8

4 Control port

W: Port A/B

5 Control method

No designation: Meter-out control
i: Meter-in control

6 Design No.

(The design No. is subject to change)

~~40: 25 MPa {250 kgf/cm²} series~~
50: 35 MPa {350 kgf/cm²} series

Design number 40 became obsolete in December 2014

7 Option code

No designation: Flow rate adjusting screw type
T: Flow rate adjusting handle type

Specifications

Model code	Maximum operating pressure MPa {kgf/cm ² }	Maximum flow rate L/min	Check valve cracking pressure MPa {kgf/cm ² }	Mass *1 kg
MT-03W※-40	25 {250}	80	0.16 {1.6}	3.1
MT-03W※-50	35 {350}			

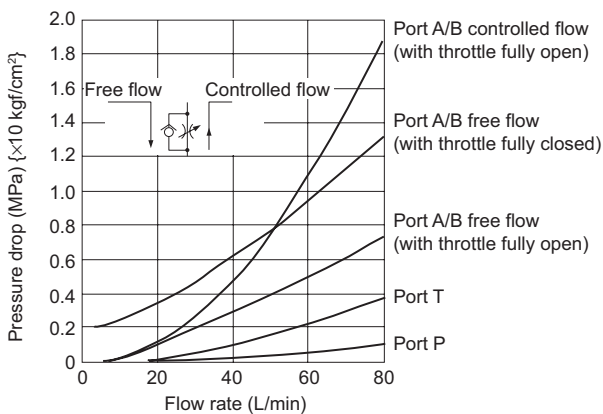
Note: *1 The mass of the models with option code "T" (flow rate adjusting handle type) is 3.5 kg.

Handling

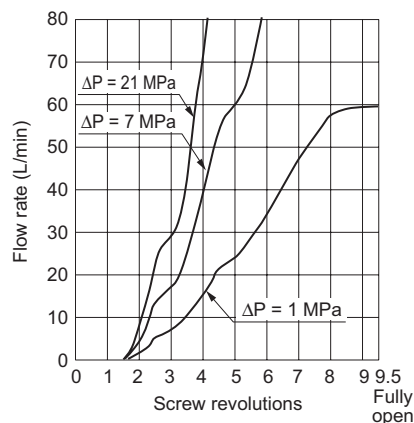
- The flow rate will not be zero even if the flow rate adjusting screw is fully tightened.

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

Pressure drop characteristics



Adjusting screw revolution - Flow rate characteristics



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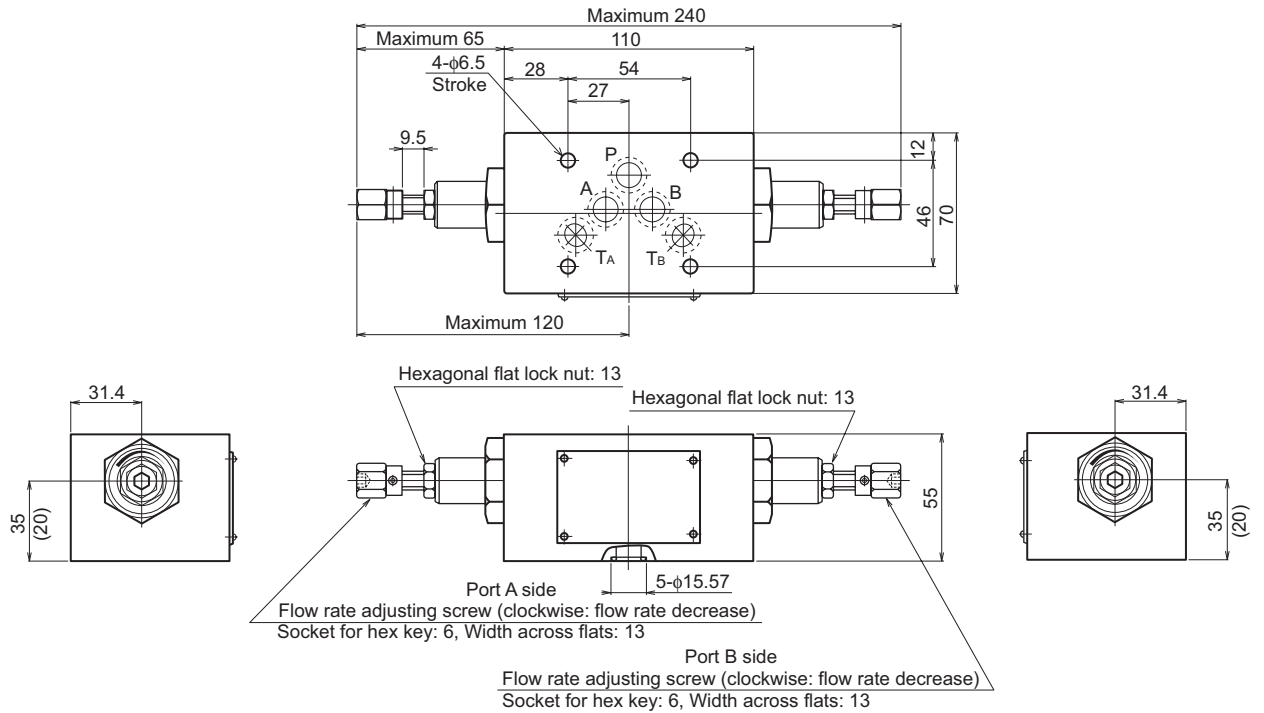
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External dimension diagram

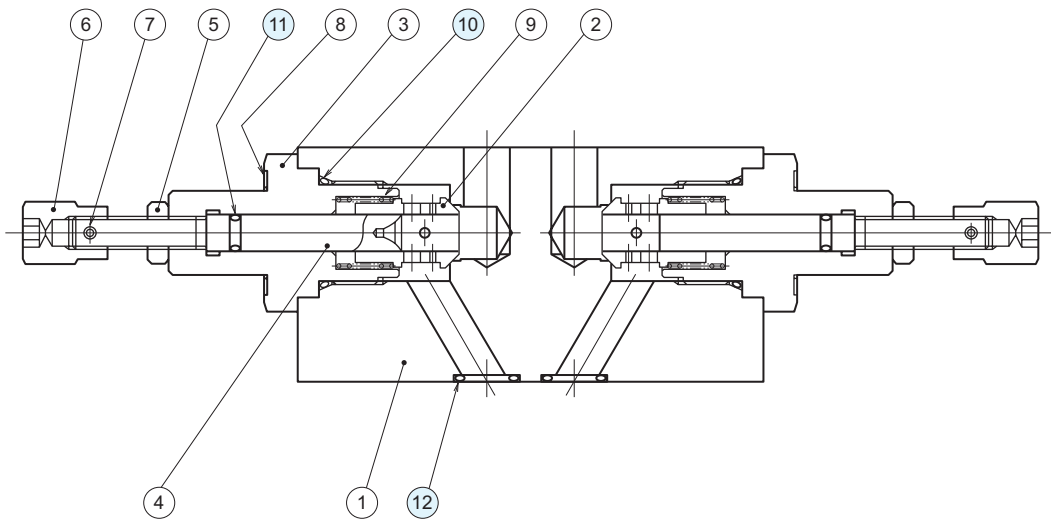
MT-03W (i)

Dimensions in parentheses are for MT-03Wi.



Sectional structural diagram

MT-03W



Sealing part table

Part No.	Name	Quantity	Part specifications
10	O-ring	2	JIS B 2401 1B P22
11	O-ring	2	JIS B 2401 1B P6
12	O-ring	5	AS568-014 (NBR, Hs90)