

## Contact Details

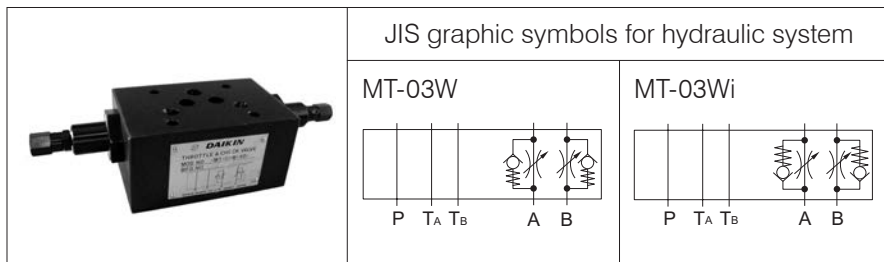
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# 03 Series Stacking Type Port A/B Throttle Valves



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

### 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)**

50: 35 MPa {350 kgf/cm<sup>2</sup>} series

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

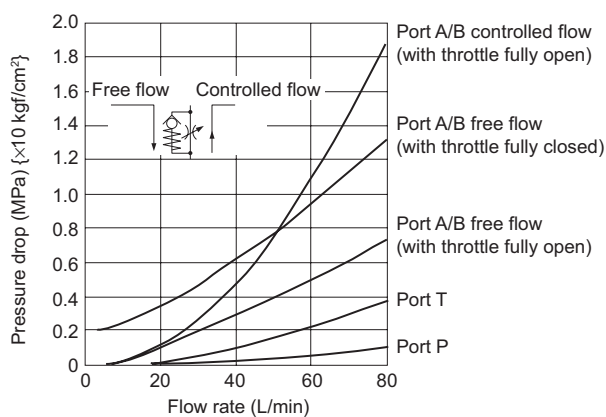
Note: <sup>\*1</sup> The mass of the models with option code "T" (flow rate adjusting handle type) is 3.5 kg.

## Handling

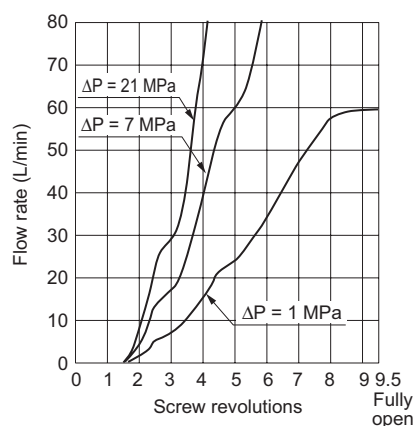
- The flow rate will not be zero even if the flow rate adjusting screw is fully tightened.

## Performance curves (viscosity: 32 mm<sup>2</sup>/s {cSt})

### Pressure drop characteristics



### Adjusting screw revolution - Flow rate characteristics



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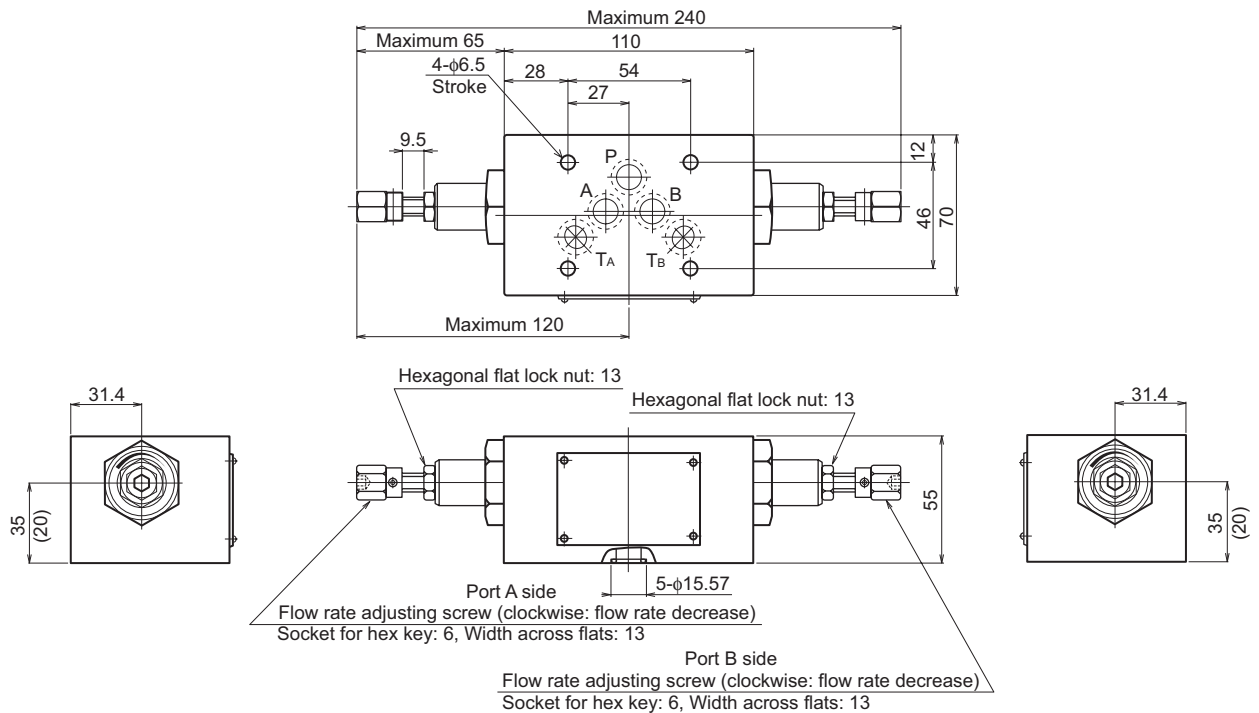
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## External dimension diagram

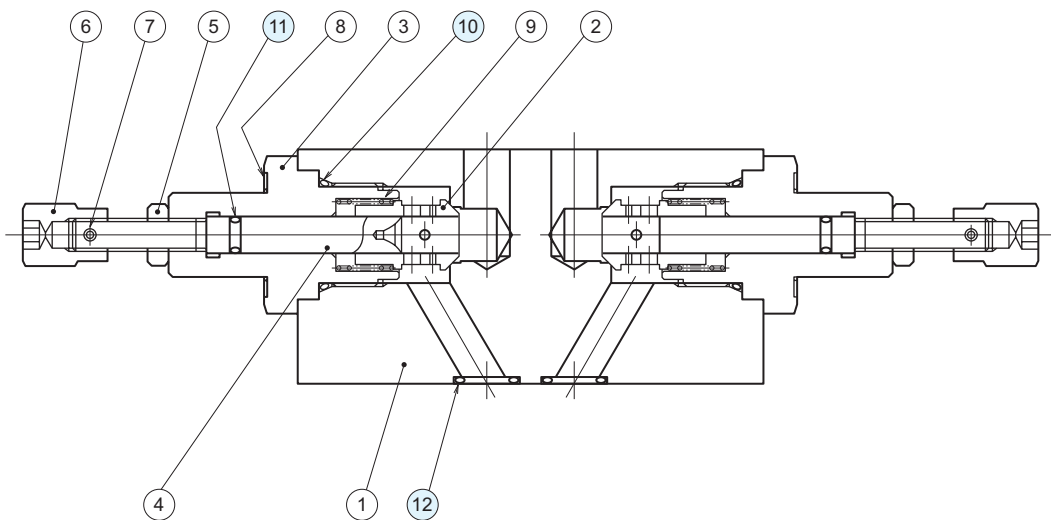
MT-03W (i)

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)