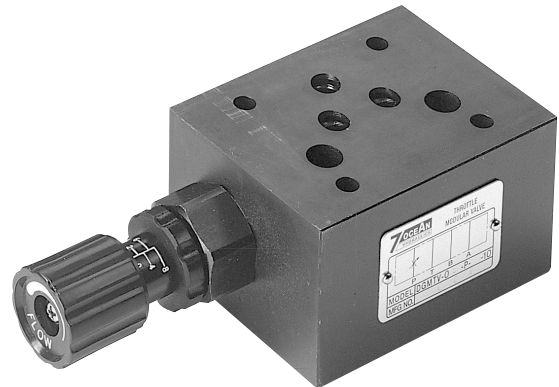


# FLOW REGULATOR VALVE

## SANDWICH PLATE DESIGN MTV03 SIZE 10

### FEATURES :

- Highest performance in NG 10
- Sandwich plate design
- Be used for actuator speed control
- Connections to DIN, ISO and CETOP



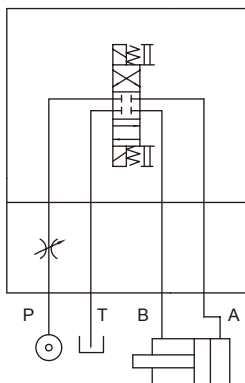
Model: MTV-03-P-10

### SPECIFICATION :

Maximum Flow Rate		100 l/Min (26.5 GPM)
Maximum working pressure		320 Bar (4570 PSI)
Ambient Temperature Range		-20°C ~ +50°C
Hydraulic Fluid Temperature Range		-20°C ~ +70°C
Viscosity Range		15~400 mm <sup>2</sup> /S
Hydraulic Oil		ISO VG32, 46, 68
Fluid Cleanliness		25 μm
Mounting Pattern		ISO 4401-AC-05-4-A
Weight	P Type	2.5 kg

### HYDRAULIC CONFIGURATION:

- MTV-03-P-10



## FLOW REGULATOR VALVE SANDWICH PLATE DESIGN MTV03 SIZE 10

ORDERING CODE :

M TV - 03 - P - 10 - \*\*

1 2 3 4 5 6

### 1 SANDWICH PLATE DESIGN

### 2 FLOW REGULATOR VALVE

### 3 NOMINAL VALVE SIZE:

NG 10, CETOP 5 and ISO 4401-05 (NFPA-D05/DIN 24340)

### 4 CONFIGURATION

P: single, acting on port P

### 5 DESIGN NUMBER

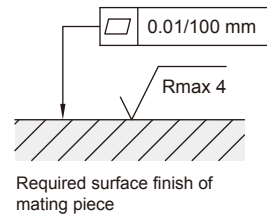
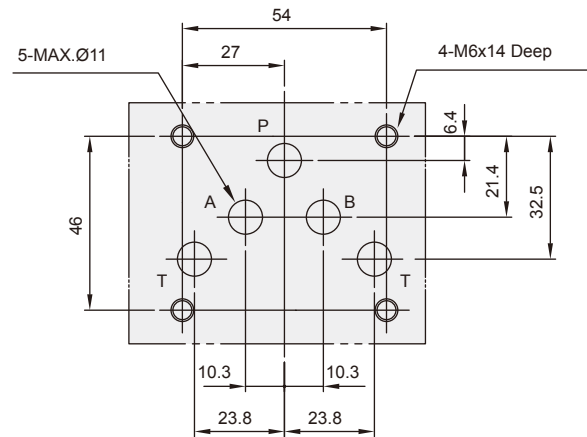
10: with handle

20: without handle

### 6 OPTIONAL INQUIRY

### INSTALLATION DIMENSIONS:

(Machined valve mounting face with position of ports)

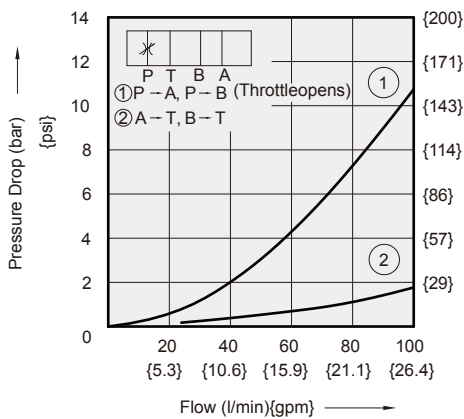


### PERFORMANCE CURVES:

Viscosity of Hydraulic Fluid: 32 mm<sup>2</sup>/s

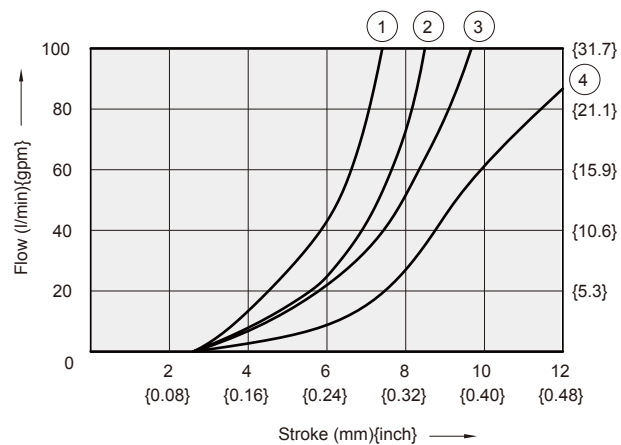
#### Pressure Drop Characteristic

■ MTV-03-P-10



#### Regulated Pressure V.S. Flow Diagram

■ MTV-03-P-10



① Pressure Difference = 140 bar {2000psi}    ③ Pressure Difference = 35 bar {500psi}

② Pressure Difference = 70 bar {1000psi}    ④ Pressure Difference = 10 bar {143psi}

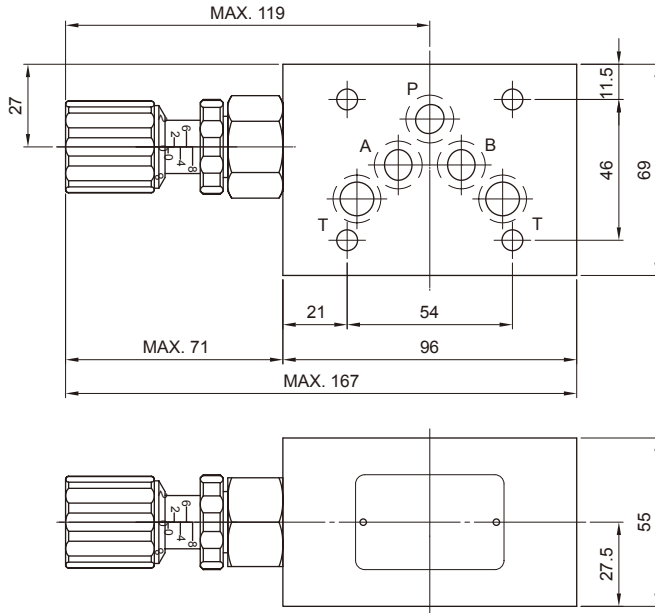
# FLOW REGULATOR VALVE

## SANDWICH PLATE DESIGN MTV03 SIZE 10

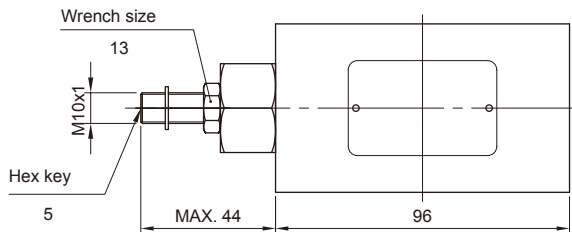
DIMENSIONS :

■ MTV-03-P-10

3rd angle projection

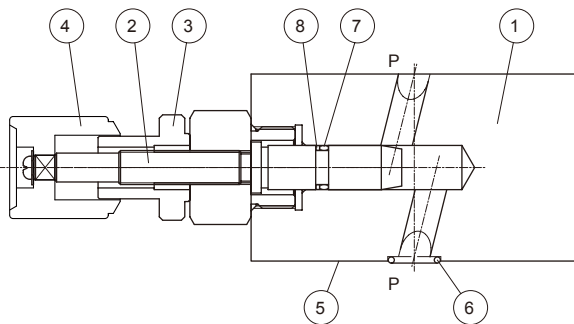


■ MTV-03-P-20



### CROSS SECTION DRAWING :

■ MTV-03-P-10



1. Body
2. Setting screw
3. Locking nut
4. Adjustment element
5. Connections to DIN 24340 from A10; valve fixing screws M6x90 DIN 912-10.9, tightening torque 12~15 Nm
6. O-ring AS586-014(Hs90) for ports A,B,P and T
7. O-ring 1A-P10
8. O-ring BU-P10