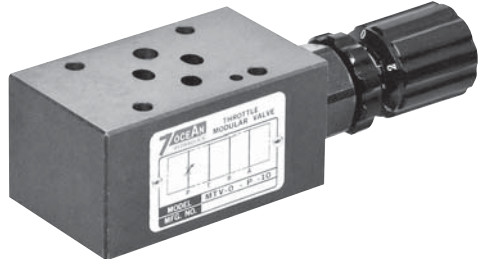


# FLOW REGULATOR VALVE

## SANDWICH PLATE DESIGN MTV02 SIZE 6

**FEATURES :**

- Highest performance in NG 6.
- Sandwich plate design
- Used for actuator speed control
- Connections to DIN, ISO and CETOP



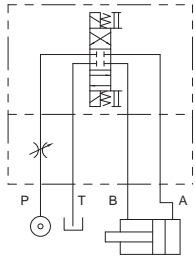
**Model: MTV-02-P-10**

**SPECIFICATION :**

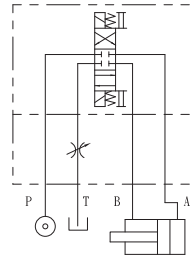
Maximum Flow Rate	50 l/Min (13.2 GPM)	
Maximum working pressure	320 Bar (4570 PSI)	
Ambient Temperature Range	-20°C~+50°C	
Hydraulic Fluid Temperature Range	-20°C~+70°C	
Viscosity Range	15~400 mm <sup>2</sup> /S	
Hydraulic Oil	ISO VG32, 46, 68	
Fluid Cleanliness	25μm	
Mounting Pattern	ISO 4401-AB-03-4-A	
Weight	P Type	1.0 kg
	T Type	1.0 kg

**HYDRAULIC CONFIGURATION:**

■ MTV-02-P-10



■ MTV-02-T-10



# FLOW REGULATOR VALVE

## SANDWICH PLATE DESIGN MTV02 SIZE 6

ORDERING CODE :

M TV - 02 - P - 10 - \*\*

1 2 3 4 5 6

**1 SANDWICH PLATE DESIGN**

**2 FLOW REGULATOR VALVE**

**3 NOMINAL VALVE SIZE:**

NG 6, CETOP 3 and ISO 4401-03 (NFPA-D03/DIN 24340)

**4 CONFIGURATION**

P: single, acting on port P

T: single, acting on port T

**5 DESIGN NUMBER**

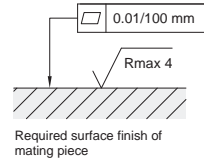
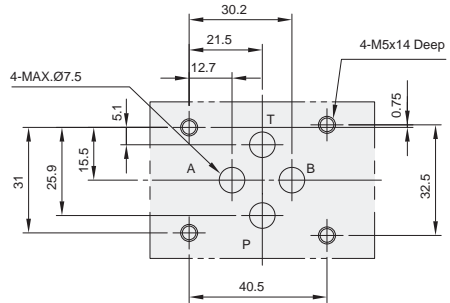
10: with handle

20: without handle

**6 OPTIONAL INQUIRY**

**INSTALLATION DIMENSIONS:**

(Machined valve mounting face with position of ports)

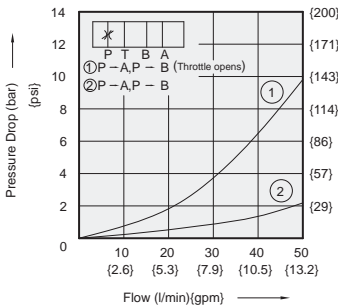


**PERFORMANCE CURVES:**

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

**Pressure Drop Characteristic**

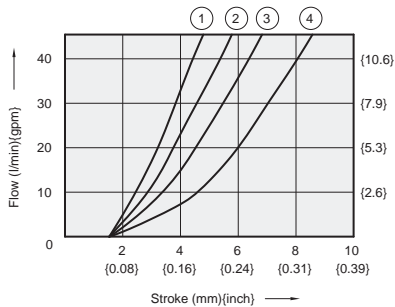
■ MTV-02-P-10



**Stroke V.S. Flow Diagram**

■ MTV-02-P-10

■ MTV-02-T-10



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

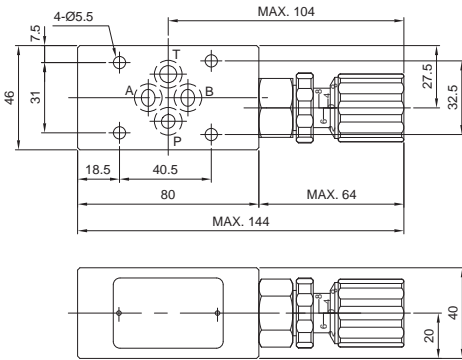
② Pressure Difference = 70 bar {1000psi} ④ Pressure Difference = 10 bar {143psi}

# FLOW REGULATOR VALVE

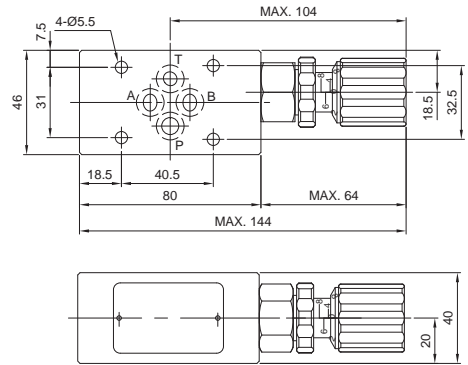
## SANDWICH PLATE DESIGN MTVO2 SIZE 6

DIMENSIONS :

■ MTV-02-P-10



■ MTV-02-T-10



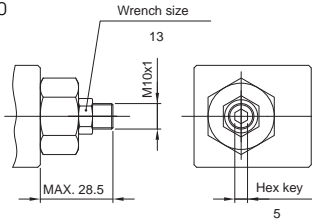
3rd angle projection



**B**

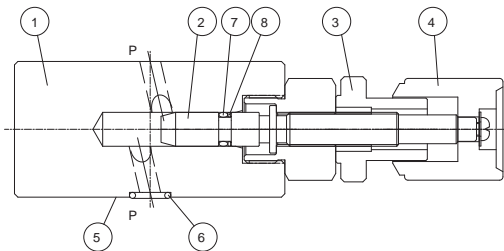
MTVO2 SIZE 6

■ MTV-02-\*-20



### CROSS SECTION DRAWING :

■ MTV-02-P-10



1. Body
2. Setting screw
3. Locking nut
4. Adjustment element
5. Connections to DIN 24340 from A6; valve fixing screws M5 DIN 912-10.9, tightening torque 8-9 Nm
6. O-ring 1B-P9 for ports A,B,P and T
7. O-ring 1A-P7
8. O-ring BU-P7