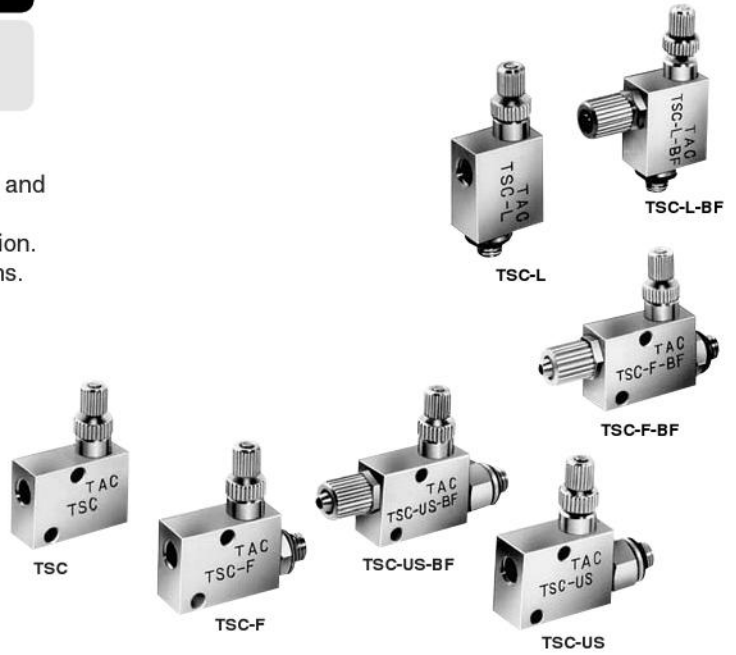
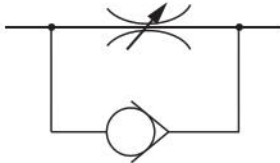


# SPEED CONTROLLERS TSC SERIES

M5×0.8, With Clamp Fitting

- Compact and lightweight, optimum for Pen Cylinders and Jig Cylinders.
- Wide variation of products allows mounting in any direction.
- Straight type and L type offer a choice of piping directions.

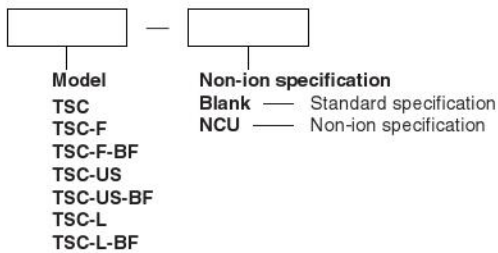
## Symbol



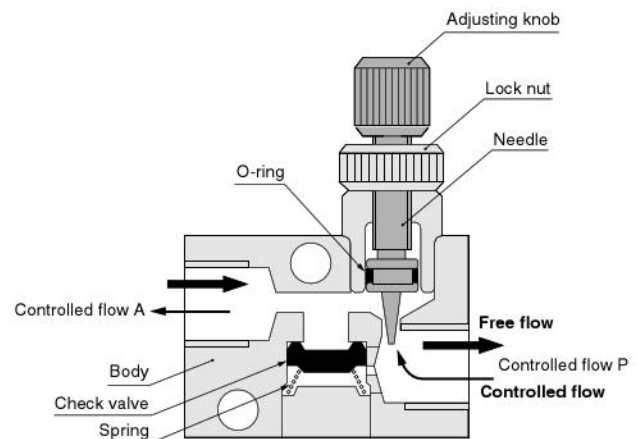
## Specifications

Item	Model	TSC	TSC-F	TSC-F-BF	TSC-US	TSC-US-BF	TSC-L	TSC-L-BF
Piping type and port size	Controlled flow P	Female thread M5×0.8	Male thread M5×0.8		Union male thread M5×0.8		Male thread M5×0.8	
	Controlled flow A	Female thread M5×0.8	For urethane tube $\phi 4 \times 2.5$ Clamp fitting		Female thread M5×0.8	For urethane tube $\phi 4 \times 2.5$ Clamp fitting	Female thread M5×0.8	For urethane tube $\phi 4 \times 2.5$ Clamp fitting
Media		Air						
Operating pressure range	MPa [psi.]	0~0.9 [0~131]						
Proof pressure	MPa [psi.]	1.32 [191]						
Cracking pressure	MPa [psi.]	0.05 [7.3]						
Operating temperature range	°C [°F]	5~60 [41~140]						
Mass	g [oz.]	16 [0.56]	18 [0.63]	20.5 [0.72]	19 [0.67]	21.5 [0.76]	15 [0.53]	17 [0.60]

## Order Codes



## Inner Construction and Major Parts



## Major Parts and Materials

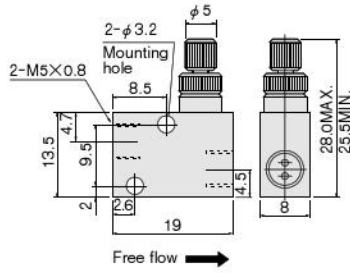
Parts	Materials
Body	Brass (nickel plated)
Needle	Stainless steel
Lock nut	Brass (nickel plated)
Check valve	Synthetic rubber (NBR)
O-ring	
Adjusting knob	Brass (nickel plated)

## Dimensions (mm)

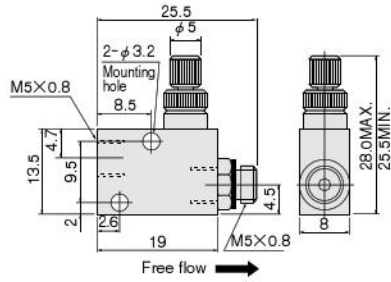


### ● Straight type

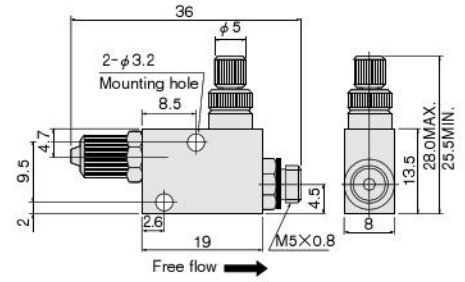
#### ● TSC



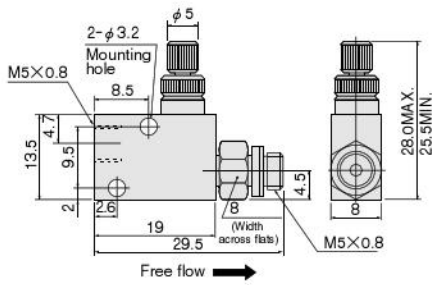
#### ● TSC-F



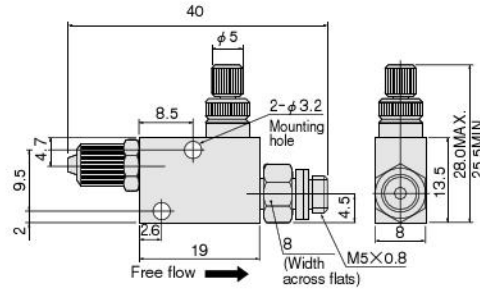
#### ● TSC-F-BF



#### ● TSC-US

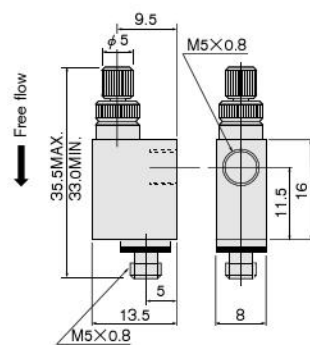


#### ● TSC-US-BF

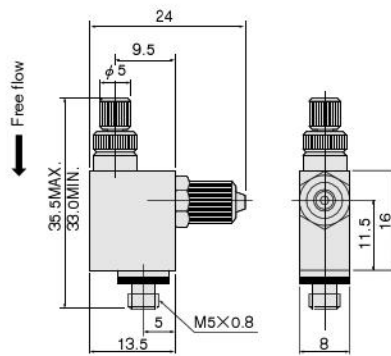


### ● L type

#### ● TSC-L

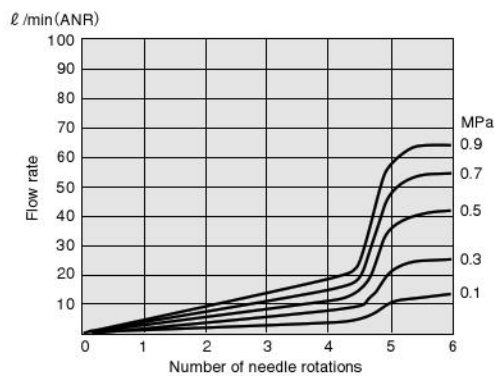


#### ● TSC-L-BF



## Flow Rate Characteristics

### ● Controlled flow



1MPa = 145psi. 1 l/min = 0.0353ft<sup>3</sup>/min.

### ● Free flow

