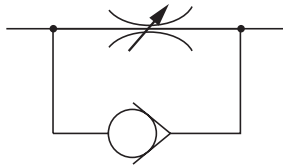


**Symbol**



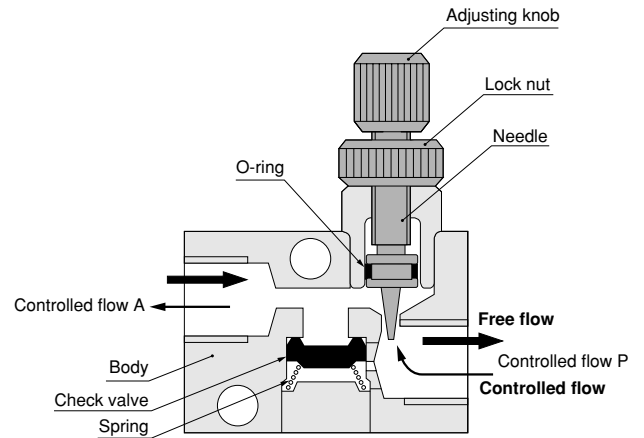
**Specifications**

Item	Model	CS-TSC	CS-TSC-F	CS-TSC-F-BF	CS-TSC-US	CS-TSC-US-BF	CS-TSC-L	CS-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 φ4×2.5 Clamp fitting	Female thread M5×0.8	For urethane tube φ4×2.5 Clamp fitting	Female thread M5×0.8	For urethane tube φ4×2.5 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]						
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]

**Major Parts and Materials**

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

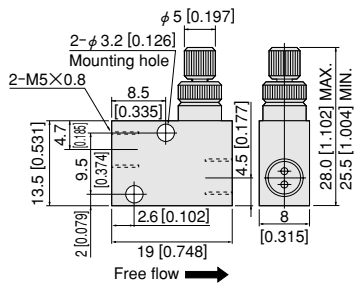
**Inner Construction and Major Parts**



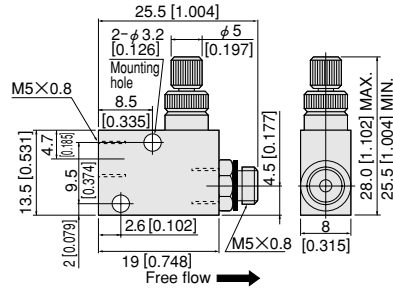
# Dimensions mm [in.]

## ● Straight type

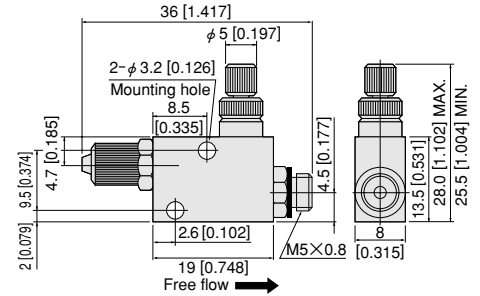
### ● CS-TSC



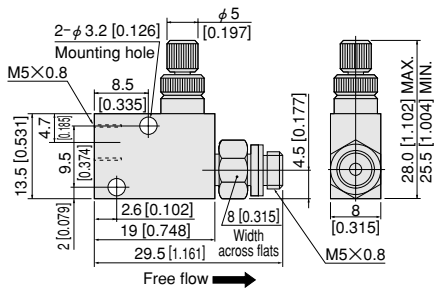
### ● CS-TSC-F



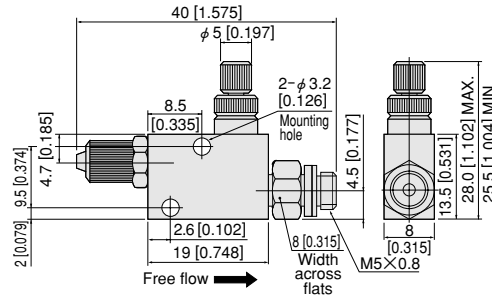
### ● CS-TSC-F-BF



### ● CS-TSC-US

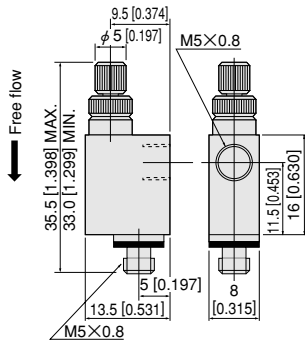


### ● CS-TSC-US-BF

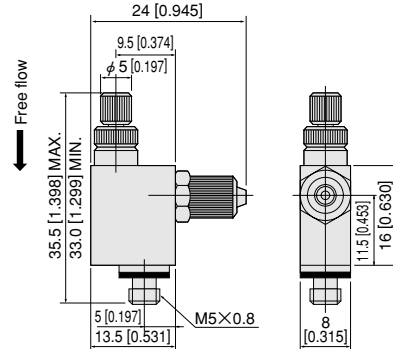


## ● L type

### ● CS-TSC-L

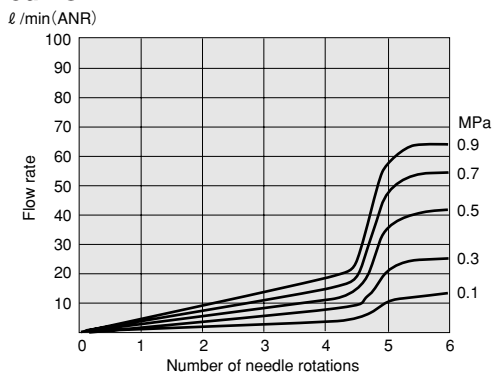


### ● CS-TSC-L-BF



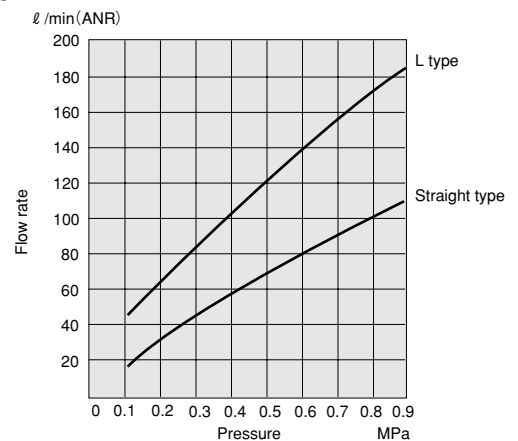
# Flow Rate Characteristics

## ● Controlled flow



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

## ● Free flow



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