

SPEED CONTROLLERS TSCO SERIES

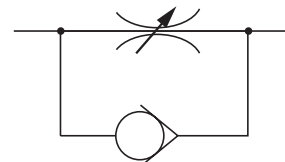
M3× 0.5

- Offer fine speed control for the M3 ported Pen Cylinders.
- Compact, lightweight, and easy to handle.

Specifications

Item	Model	TSCO-UL
Piping type	Controlled flow P	Universal male thread
	Controlled flow A	Female thread
Port size		M3× 0.5
Media		Air
Operating pressure range	MPa [psi.]	0~0.7 [0~102]
Proof pressure	MPa [psi.]	1.03 [149]
Cracking pressure	MPa [psi.]	0.05 [7.3]
Operating temperature range	°C [°F]	5~60 [41~140]
Mass	g [oz.]	6 [0.21]

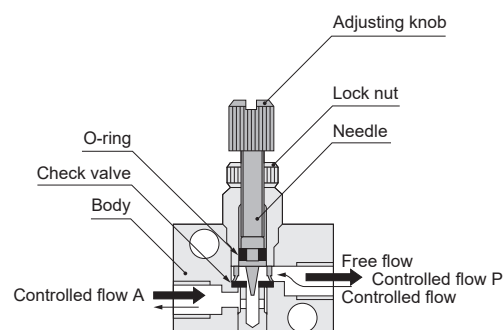
Symbol



Major Parts and Materials

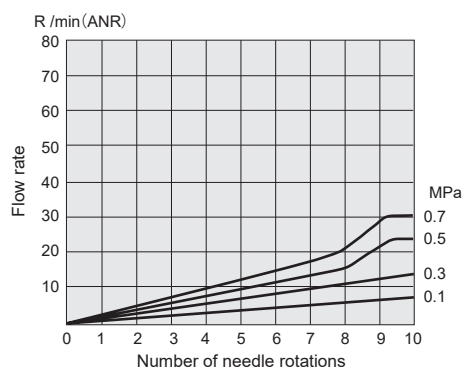
Parts	Materials
Body	Brass (nickel plated)
Needle	Stainless steel
Lock nut	Brass (nickel plated)
Check valve	Synthetic rubber (NBR)
O-ring	
Adjusting knob	Brass (nickel plated)

Inner Construction and Major Parts

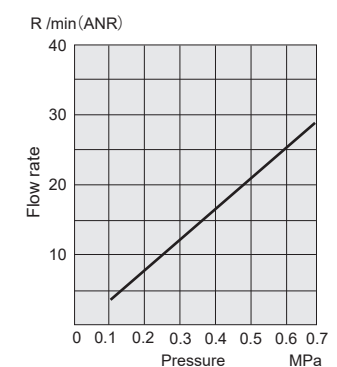


Flow Rate Characteristics

Controlled flow



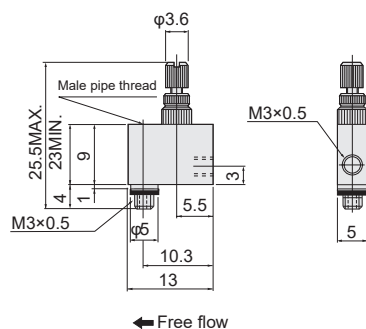
Free flow



1MPa = 145psi. 1R /min = 0.0353ft³/min.

Dimensions (mm)

TSCO-UL



Handling Instructions and Precautions

- Always use fingertips to rotate and tighten the lock nut and needle. Use of excessive tightening force with tools, etc., could cause damage to the units.
- When using a universal male thread type for piping, secure at the male pipe thread portion. The tightening torque should not exceed 0.5N · m [4.4in · lbf].