

## Compact 17.5 mm outer diameter, yet socket and plug have built-in automatic shut-off valves.

- . Both socket and plug have built-in automatic shut-off valves.
- Compact size with maximum outer diameter 17.5 mm.
- For small bore piping from temperature control piping to scientific equipment.
- Body materials in stainless steel (SUS304) or brass, excellent in corrosion resistance.
- Four types of end configuration enable suitability with a wide range of piping applications.





Specifications					
Body material		Brass, Stainless steel (SUS 304)			
	Thread	1/8"			
Size	Tube barb	Polyamide tube : ø4 x ø6, ø6 x ø8 Polyolefin tube : ø4 x ø6, ø6 x ø8 Fluorine contained resin tube : ø4 x ø6, ø6 x ø8			
Pressure unit		MPa	kgf/cm <sup>2</sup>	bar	PSI
Working pressure 1.0 10		10	145		
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks
		Fluoro rubber	FKM	-20°C to +180°C	Standard material
		Ethylene-propylene rubber	EPDM	-40°C to +150°C	Available on request

Note: Maximum working pressure and working temperature range of nut type depend on the tube material and its dimensional tolerance.

Maximum Tightening Torque			Nm {kgf•cm}	
Size (Thre	ead)	1/8"	Tube barb	
Towarra	Brass	5 {51}	5 {51}	
Torque	Stainless steel	9 {92}	7 {71}	



## Interchangeability

Sockets and plugs can be connected regardless of end configurations.

Minimum Cross-Sectional Area				(mm²)
Model	CO-1SM × CO-1PM	CO-1SF x CO-1PF	CO-40SN x CO-40PN	CO-60SN x CO-60PN
Minimum cross-sectional area	8.8	8.8	4.9	8.8

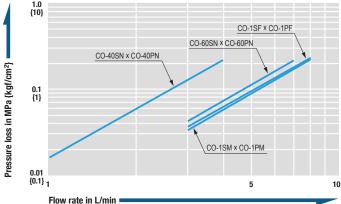
Suitability for Vacuum	1.3	1.3 x 10 <sup>-1</sup> Pa {1 x 10 <sup>-3</sup> mmHg}	
Socket only	Plug only	When connected	
_	_	Operational	

Admixture of Air on Conn	ection May vary depending upon the usage conditions.	(mL)
Volume of air admixture	0.34	

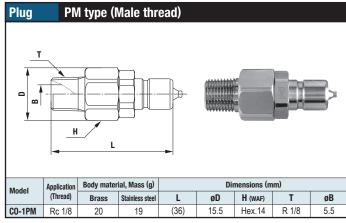
Volume of Spillage per Disconnection May vary depending upon the usage conditions.		(mL)
Volume of spillage	0.23	

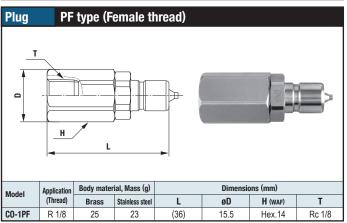
## Flow Rate – Pressure Loss Characteristics

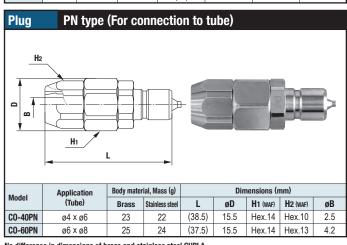
[Test conditions] •Fluid : Water •Temperature : 20°C±5°C



Models and Dimensions WAF : WAF stands for width across flats.







No difference in dimensions of brass and stainless steel CUPLA

