For Low Pressure

Compact Cupla

Small multipurpose type for low pressure lines









Compact 17.5mm 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 max. outer dia. 17.5mm.
- Compact yet operator friendly sleeve design.
- For small bore piping from temperature control piping to scientific equipment.
- Body materials in stainless steel 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)			
Size	For 1/8", ø4mm x ø6mm, ø6mm x ø8mm tube			
Tube material	Polyamide, Polyolefin, Fluorine contained resin			
Working pressure MPa {kgf/cm²}	1.0 {10}			
Pressure resistance MPa {kgf/cm²}	1.5 {15}			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Fluoro rubber	FKM	-20°C~+180°C	Standard material
,	Ethylene-propylene rubber	EPDM	-40°C~+150°C	Available on request

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

Max. Tightening Torque		Torque	N•m {kgf•cm}
Model		PM, PF, SM, SF	PN, SN
Токано	Brass	5 {51}	5 {51}
Torque	Stainless steel	9 {92}	7 {71}

Flow Direction Fluid may flow in either direction from plug or from socket side when coupled.

Interchangeability

Socket and plug of Compact Cupla can be connected regardless of end configurations.

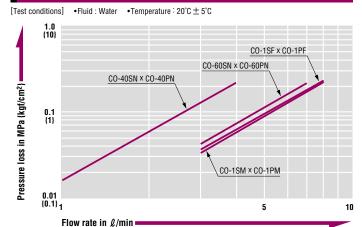
Min. Cross-Sectional Area (mm²)				
Model	CO-1SM x CO-1PM	CO-1SF x CO-1PF	CO-40SN x CO-40PN	CO-60SN x CO-60PN
Min. cross- sectional area	8.8	8.8	4.9	8.8

Suitability for Vacuum	1.3 x 10 ⁻¹ Pa {1 x 10 ⁻³ mmHg}		
Socket only	Plug only	When connected	
_	_	Operational	

Admixture of Air on Connection		(m ℓ)
Volume of air admixture	0.34	

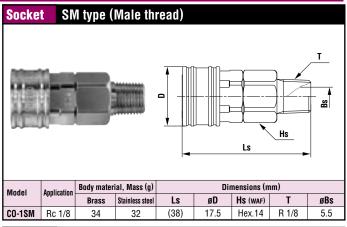
Volume of Spillage per Disconnection		
Volume of spillage	0.23	

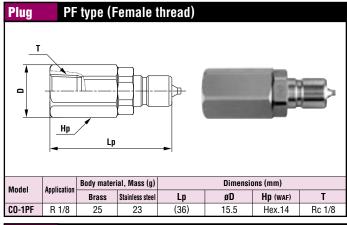
Flow Rate - Pressure Loss Characteristics

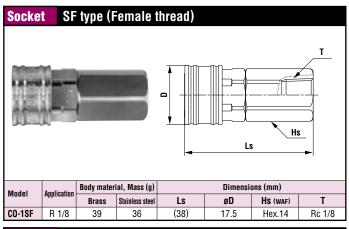


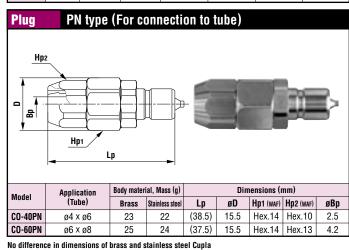
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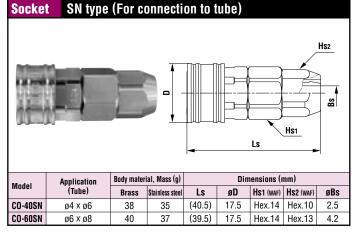
Models and Dimensions PM type (Male thread) Plug Нр Body material, Mass (g) Dimensions (mm) Model øD Hp (WAF) øВр CO-1PM R 1/8 Rc 1/8 20 19 (36) 15.5 Hex.14 5.5











No difference in dimensions of brass and stainless steel Cupla Before use, please be sure to read "Instruction Sheet" that comes with the products.

