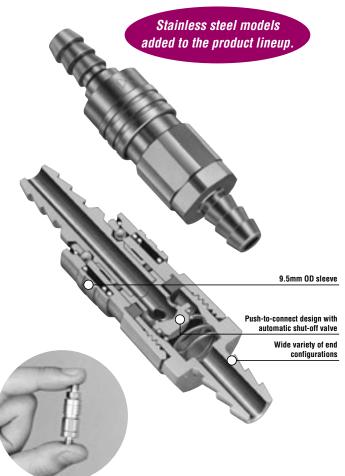


Compact, lightweight Cuplas with only 9.5mm outer diameter.

Push-to-connect operation. Tube Fitter type for even easier tube insertion.

- Even though the valve is built in the socket, the sleeve outer diameter is confined to 9.5mm.
- Push-to-connect design.
- Just push in and the tube mount is completed.
- Compact design for piping in narrow spaces.
- Plated brass and stainless steel bodies are available for excellent corrosion
- Available in various end configurations to satisfy a wide range of pneumatic

Note: Fluid will flow out from the plug when disconnected because of no valve inside the plug. If the fluid is water and you require a valve in the plug, ask for semi-standard Little Cupla or Compact Cupla series.



Specifications				
Body material	Cupla : Brass (Plated) • Stainless steel (SUS 304) Tube Fitter Type : Brass (Chrome-plated)			
Size	1/8" (Minimum internal diameter 2.5mm) *Minimum internal diameter of MC-03SP : 1.2mm			
Tuba aisa	Polyurethane : ø4 ± 0.1 • ø6 ± 0.1			
Tube size (for Tube Fitter end configurations)	Nylon : Ø4 ^{+0.05} _{-0.08} • Ø6 ^{+0.05} _{-0.08}			
	Teflon : ø4 ± 0.05 • ø6 ± 0.07			
Working pressure MPa {kgf/cm²	1.0 {10}			
Pressure resistance MPa {kgf/cm²	1.5 {15}			
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks
	Nitrile rubber	NBR (SG)	-20°C~+80°C	Standard material
	Fluoro rubber	FKM (X-100)	-20°C~+180°C	Made-to-order item(s)

• Above specifications apply only to Cuplas. Working pressure, pressure resistance and working temperature range may vary depending on tube materials you use with and temperature conditions you use under Micro Cupla with Tube Fitter has NBR packing material only.

Max. Tightening Torque N•m {		
Size	M5 × 0.8	1/8"
Torque	1.3 {13}	7 {71}

Flow Direction Air flows in either direction from plug or socket side when coupled.

Interchangeability

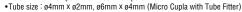
Sockets and plugs can be connected regardless of end configurations.

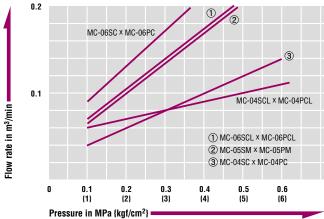
Min. Cross-Sectional Area (mm²)					(mm²)	
Model	MC-03SP	MC-04SP	MC-05SP	MC-10SP	Tube Fitter Type for 4mm OD tube	Tube Fitter Type for 6mm OD tube
Min. cross-sectional area	1.1	4.9	4.9	4.9	4.9	4.9

Suitability for Vacuum		53.0kPa {400mmHg}
Socket only	Plug only	When connected
_	_	Operational

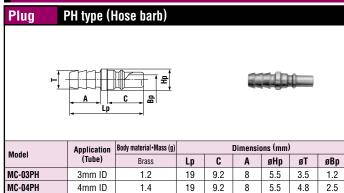
Pressure - Flow Characteristics

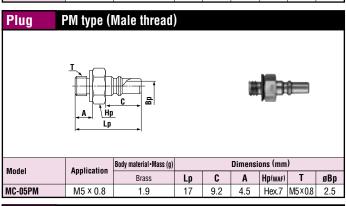
[Test conditions] •Fluid : Air •Temperature : Room temperature

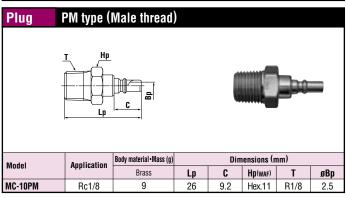


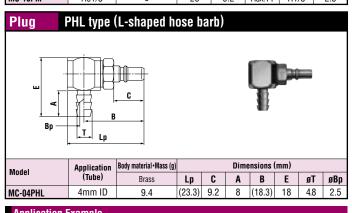


17 NITTO KOHKI CO., LTD. Models and Dimensions WAF: WAF stands for width across flat



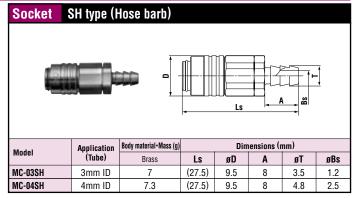


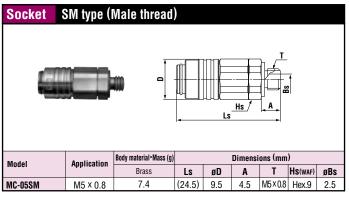


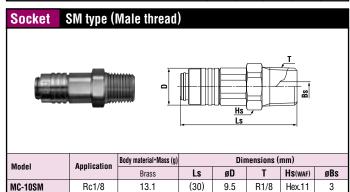


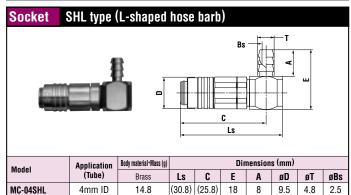


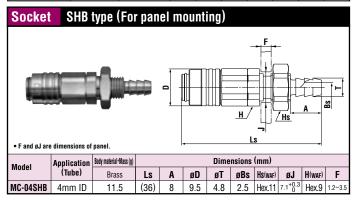






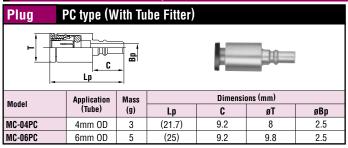


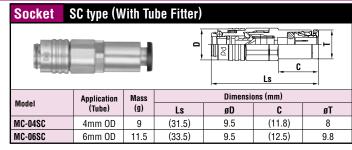


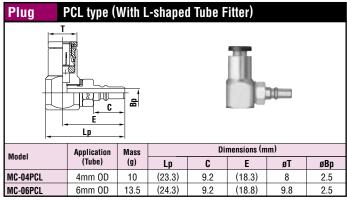


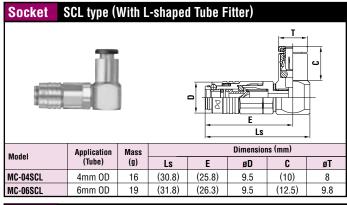
WAF: WAF stands for width across flat.

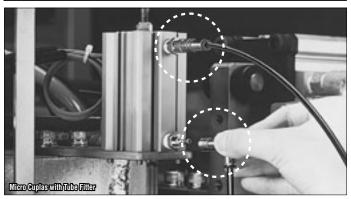


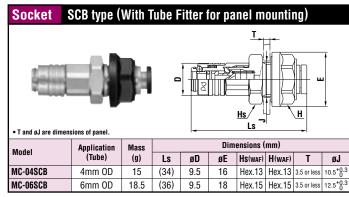


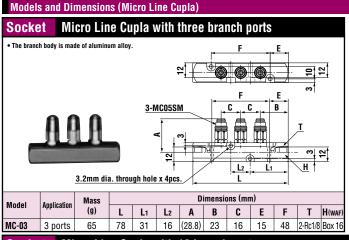


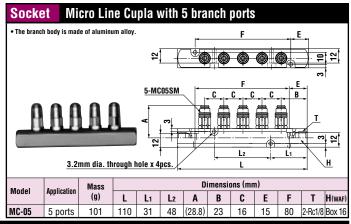


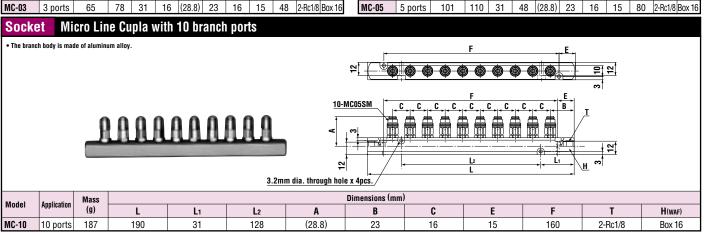












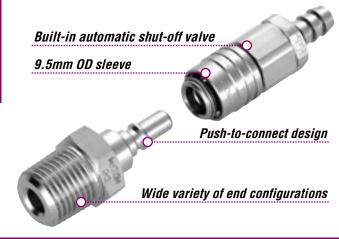
WAF: WAF stands for width across flat.

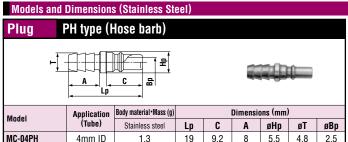
Micro Cupla

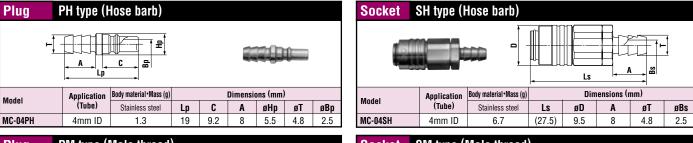


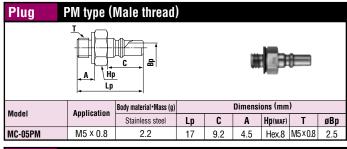
NEW Stainless steel models

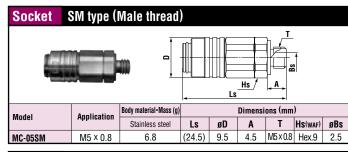
Highly corrosion-resistant stainless steel Micro Cupla

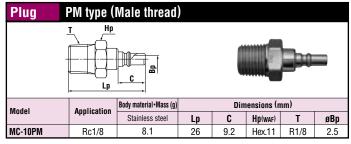


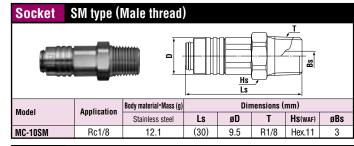


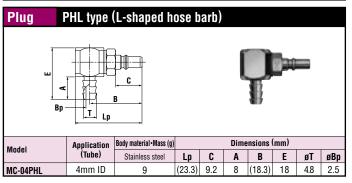


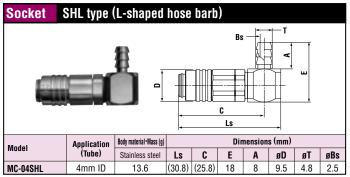


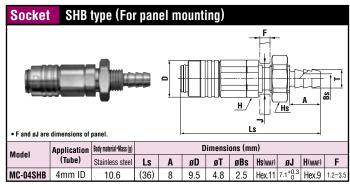












Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products