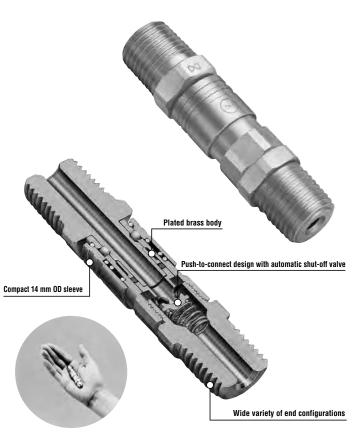
For Low Pressure **Small Cupla** Lightweight and compact for use on air lines and scientific equipment

Lightweight and compact push-toconnect operation. **Responding to requirements of modular** combinations.

- Compact socket with built-in valve and 14 mm OD sleeve. Suits applications calling for compact and modular components.
- Just push in the plug to the socket for connection by easy one hand operation.
- Plated brass for corrosion resistance adopted for the body. Stable performance for long life.
- A wide line-up of end configurations (female and male threads, hose barbs, manifolds) enables suitability with a wide range of piping applications such as pneumatic, scientific and medical equipment.
- Also available with quick connect/disconnect Tube Fitter type.

Note: Fluid will flow out from the plug side when disconnected. Take necessary precaution if the fluid is water.



Specifications						
Body material		Cupla : Brass (Chrome plated) Tube Fitter Part : Brass (Nickel plated)				
	Thread	1/8", 1/4"				
Size	Hose barb	Polyamide hose: ø4 x ø6, ø4.5 x ø6 Urethane hose: ø4 x ø6				
	Tube barb (Tube fitter)	Polyurethane tube: Outside Dia. $\emptyset 6 \pm 0.1$, $\emptyset 8 \pm 0.15$ Polyamide tube: Outside Dia. $\emptyset 6 ^{+0.05}_{-0.08}$, $\emptyset 8 ^{+0.05}_{-0.1}$ Fluorine contained resin tube: Outside Dia. $\emptyset 6 \pm 0.07$, $\emptyset 8 \pm 0.07$				
Pressure u	nit	MPa	kgf/cm²	bar	PSI	
Working pressure		1.0	10	10	145	
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks	
		Nitrile rubber	NBR (SG)	-20°C to +80°C	Standard material	

Above specifications apply only to Cuplas. Max working pressure and working temperature range may vary depending on tube materials you use with and the working temperature.

Max. Tightening Torque Nm {kgf•cm}			
Size (Thread)	1/8"	1/4"	PN • SN Type
Torque	5 {51}	9 {92}	5 {51}

Flow Direction				
Fluid flow can be bi-directional when socket and plug are connected.				

Interchangeability

Sockets and plugs can be connected regardless of end configurations.

Min. Cross-Sectional Area (mm²)						
Model	MS-10SM X MS-10PM	MS-20SM X MS-20PM	MS-40SN X MS-40PN	MS-45SN X MS-45PN	Tube Fitter Type for 6 mm OD tube	Tube Fitter Type for 8 mm OD tube
Min. cross- sectional area	12.5	12.5	4.9	7	12.5	12.5

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

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

•Tube size : ø6 mm x ø4 mm, ø8 mm x ø6 mm (Small Cupla with Tube Fitter)

