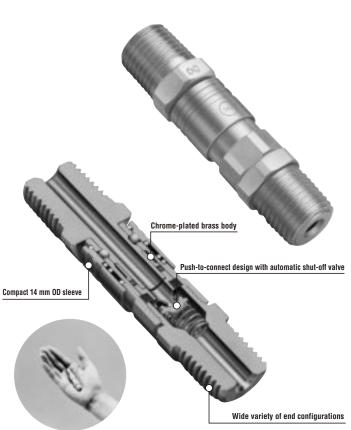


Lightweight and compact push-toconnect operation. Responding to requirements of modular combinations.

- 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.
- Chrome-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.

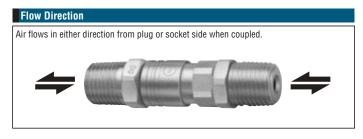
Note: Fluid will flow out from the plug side when disconnected. Take necessary precaution if the fluid is water.



Specifications						
Body material		Cupla : Brass (Chrome-plated) Tube Fitter Type: 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. $\emptyset 6 \pm 0.07$, $\emptyset 8 \pm 0.07$			
Working pressure MPa kgf/cm² bar PSI		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. Working pressure, pressure resistance and working temperature range may vary depending on tube materials you use with and its working temperature range.

Max. Tightening Torque Nm {kgf∙cm				
Size (Thread)	1/8"	1/4"	PN • SN Type	
Torque	7 {71}	9 {92}	5 {51}	



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	

Pressure - Flow Characteristics

| Test conditions | •Fluid : Air •Temperature : Room temperature •Tube size : ø6 mm × ø4 mm, ø8 mm × ø6 mm (Small Cupla with Tube Fitter)

