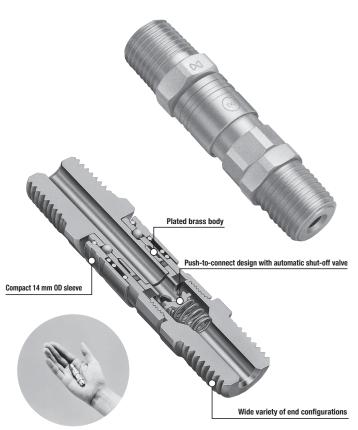


Lightweight and compact push-toconnect operation. Responding to requirements of modular combinations.

- 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 CUPLA: Brass (Chrome plated) **Body material** Tube Fitter Part : Brass (Nickel plated) , Plastic 1/8", 1/4" Polyamide hose: ø4 x ø6, ø4.5 x ø6 Hose barb Urethane hose: ø4 x ø6 Size Polyurethane tube: Outside Dia. $\emptyset6 \pm 0.1$, $\emptyset8 \pm 0.15$ Tube barb Polyamide tube: Outside Dia. $\emptyset6^{+0.05}_{-0.08}$, $\emptyset8^{+0.05}_{-0.1}$ (Tube fitter) Fluorine contained resin tube: Outside Dia. $\emptyset6 \pm 0.07$, $\emptyset8 \pm 0.07$ MPa kgf/cm² PSI Pressure unit har Working pressure 1.0 145 Seal material Mark Seal material Working temperature range

NBR (SG)

Nitrile rubber

-20°C to +80°C

Standard material

Maximum Tightening Torque Nm {kgf • c				
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

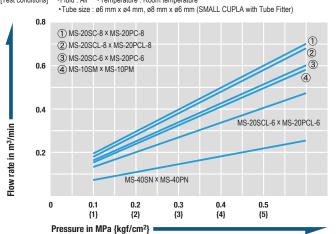
Sockets and plugs can be connected regardless of end configurations.

Minimum 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
Minimum 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



[·] Above specifications apply only to CUPLA. Maximum working pressure and working temperature range may vary depending on tube materials you use with and the working temperature

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

