

For Low Pressure (Air)

# Super Cupla

Light, compact for air piping connections

Working pressure



1.0 MPa  
(10 kgf/cm<sup>2</sup>)

Valve structure



One-way shut-off

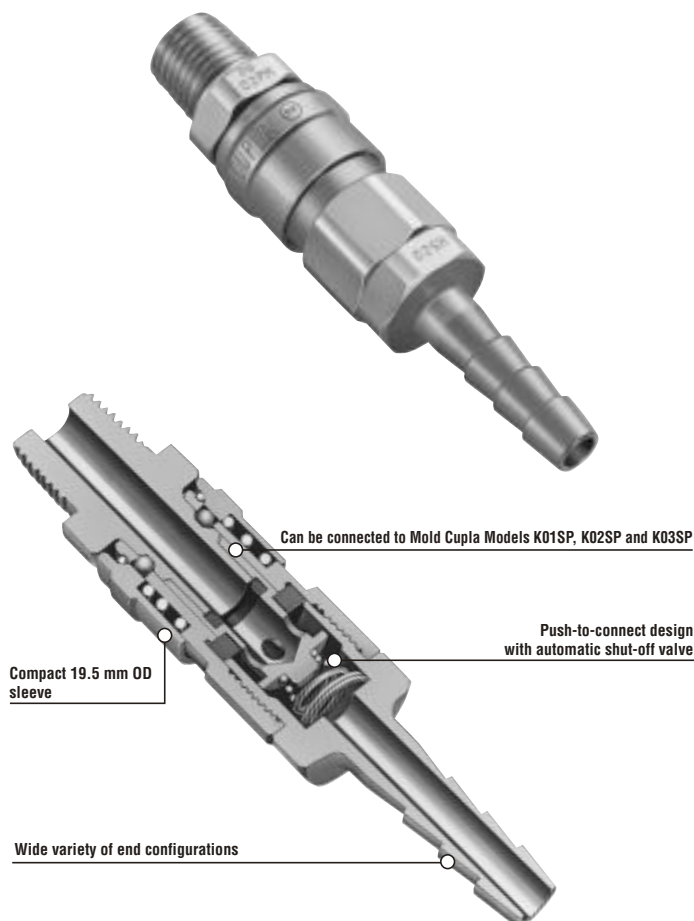
Applicable fluids



Air

## The lightweight design makes the Cupla best suited to power tools! Push-to-connect for easy operation.

- Lightweight design suits direct connection to power tools.  
Aluminum body is adopted for some models to reduce the weight.
- Just push the plug into socket for easy one hand connection.
- Available in various end configurations for a wide range of pneumatic applications.
- Model 02S20P can be connected with sockets for Hi Cupla Models 10, 17, 20, 30 and 40.
- Also available with quick connect / disconnect Tube Fitter type.



### Specifications

Body material		Cupla : Steel (Chrome-plated), Aluminum Tube Fitter Type: Brass (Nickel-plated)		
Size	Thread	1/8", 1/4"		
	Hose barb	1/4", Urethane hose : $\phi 5 \times \phi 8$ , $\phi 6.5 \times \phi 10$		
	Tube barb (Tube fitter)	Polyurethane tube: Outside Dia. $\phi 6 \pm 0.1$ , $\phi 8 \pm 0.15$ Polyamide tube: Outside Dia. $\phi 6^{+0.05}_{-0.08}$ , $\phi 8^{+0.05}_{-0.1}$ Fluorine contained resin tube: Outside Dia. $\phi 6 \pm 0.07$ , $\phi 8 \pm 0.07$		
Working pressure		MPa	1.0	
		kgf/cm <sup>2</sup>	10	
		bar	10	
		PSI	145	
Seal material		Seal material	Mark	Working temperature range
Working temperature range		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.  
Micro Cupla with Tube Fitter has NBR packing material only.

### Max. Tightening Torque

Nm {kgf·cm}

Size (Thread)	1/8"	1/4"
Torque	7 {71}	14 {143}

### Flow Direction

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



### Interchangeability

Any socket and plug can be connected regardless of their sizes and end configurations.

\*Can be connected with Mold Cuplas.

\*When conversion socket+plug Model 02S20P is used, Super Cupla plugs can be connected with sockets for Hi Cupla Models 20, 30 and 40.

### Min. Cross-Sectional Area

(mm<sup>2</sup>)

Model	01SP	02SP	Tube Fitter Type for 6 mm OD tube	Tube Fitter Type for 8 mm OD tube
Min. cross-sectional area	19	19	12.5	19

### Suitability for Vacuum

Not suitable for vacuum application in either connected or disconnected condition.

### Pressure - Flow Characteristics

[Test conditions] • Fluid : Air • Temperature : Room temperature  
• Tube size :  $\phi 6 \text{ mm} \times \phi 4 \text{ mm}$ ,  $\phi 8 \text{ mm} \times \phi 6 \text{ mm}$  (Super Cupla with Tube Fitter)

