

For Paint

# Paint Cupla

Piping for painting equipment

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

Valve structure  
  
One-way shut-off

Applicable fluid  
  
Solvent based  
Paint



**Quick connection and disconnection of paint spray gun and paint fluid line is realized.**

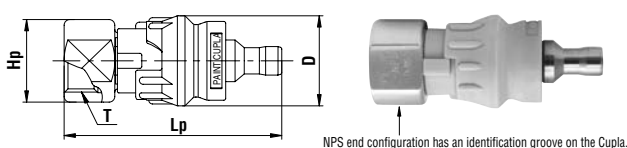
- Unique swing connection system enables easy connection and disconnection of paint spray gun and paint hose even by gloved hands.
- Full-open gate valve mechanism prevents paint precipitate buildup.
- Adoption of special resin seal that has resistance against solvents made it possible to feature superior durability, long stable capability, and easy cleaning of paint spray gun after the job.
- Small and lightweight design (80g per set) reduces the weight to be held by hand of operators.
- Built-in sleeve lock mechanism prevents unexpected disconnection of Cuplas, assuring safe operation.
- Wide variety of end configurations (standard thread: G3/8) are available in response to various paint spray guns.

## Specifications

Body material	Socket: Aluminum		Plug: Stainless Steel	
Size	3/8"			
Working pressure MPa (kgf/cm <sup>2</sup> )	1.0 (10)			
Pressure resistance MPa (kgf/cm <sup>2</sup> )	1.5 (15)			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Fluoro-resin	PFA	0°C~+50°C	Standard material

## Models and Dimensions

### Plug PE-3P type (Female thread)



Model	Application	Mass (g)	Dimensions (mm)			
			Lp	øD	Hp(WAF)	T
PE-3P-G	G 3/8	31	58	24	Two flats 19 x ø22	G 3/8
PE-3P-NPS	3/8 NPS	31	58	24	Two flats 19 x ø22	3/8 NPS

## Tightening Torque Range

N·m {kgf·cm}

Torque 15 (153)

## Flow Direction

Fluid must run from socket to plug.



## Interchangeability

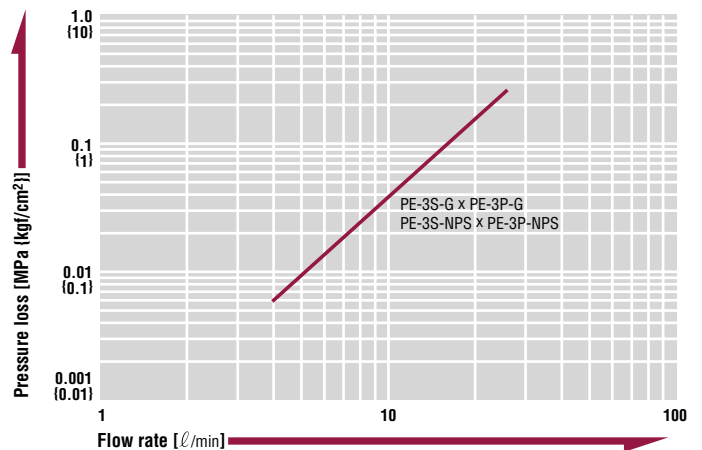
Only the same size of paint Cuplas can be connected each other.

## Suitability for Vacuum

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

## Flow Rate – Pressure Loss Characteristics

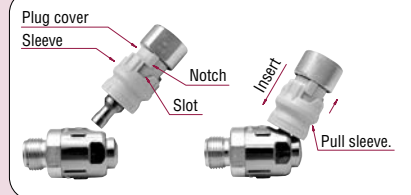
[Test conditions] • Fluid viscosity : 8 x 10<sup>-7</sup>m<sup>2</sup>/s (Equivalent to water) • Temperature : 30°C ± 5°C



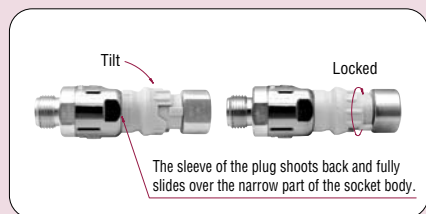
## Connection & Disconnection

### Connection

Align the notch on plug cover to the slot on sleeve, then while pulling the socket sleeve insert the plug to the hilt.



While keeping the plug inserted into the socket, tilt the plug so as to align the plug with the socket. Lock can be made by turning the sleeve.

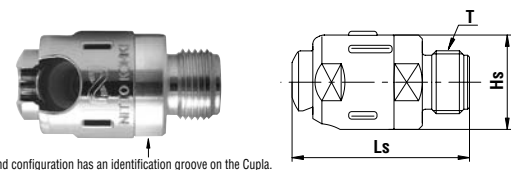


### Disconnection

Disconnect in the reverse order of connection.

WAF : WAF stands for width across flats.

### Socket PE-3S type (Male thread)



Model	Application	Mass (g)	Dimensions (mm)		
			Ls	Hs(WAF)	T
PE-3S-G	G 3/8	48	47	Two flats 23 x ø25	G 3/8
PE-3S-NPS	3/8 NPS	48	47	Two flats 23 x ø25	3/8 NPS

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