

For Paint

Paint Cupla

Piping for painting equipment

Working pressure



1.0 MPa
(10 kgf/cm²)

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.
- Connection and disconnection can be made even if paint sticks to the socket sleeve.
- Small and lightweight design (80 g per set) reduces the weight to be held by hand of operators.
- Built-in sleeve lock mechanism prevents accidental disconnection of Cuplas, ensuring safe operation.
- Wide variety of end configurations (standard thread: G 3/8) are available in response to various paint spray guns.



Flow Direction

Fluid must run from socket to plug.



Specifications

Body material	Socket: Aluminum Plug: Stainless steel			
Size (Thread)	3/8", 3/8NPS			
Working pressure	MPa	1.0		
	kgf/cm²	10		
	bar	10		
	PSI	145		
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Fluoro-resin	PFA	0°C to +50°C	Standard material

Tightening Torque Range

Torque	Nm (kgf·cm)
	15 (153)

Interchangeability

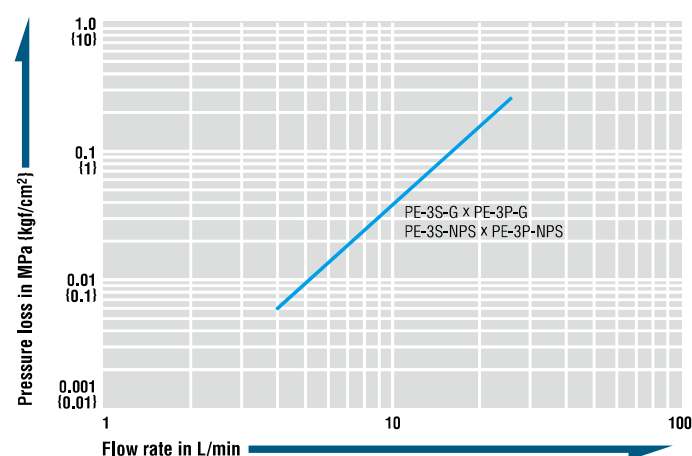
Only the same size of paint Cuplas can be connected each other.

Suitability for Vacuum

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

Flow Rate – Pressure Loss Characteristics

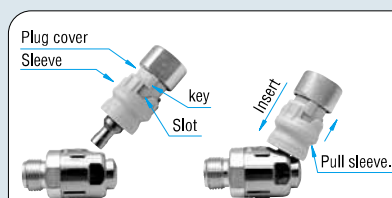
[Test conditions] • Fluid viscosity : 8×10^{-2} m²/s (Equivalent to water) • Temperature : 30°C ± 5°C



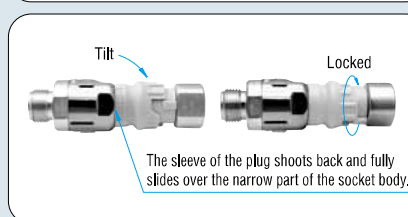
Connection and Disconnection

Connection

Align the key 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.

Models and Dimensions

Plug PE-3P type (Female thread)

		Mass (g)	Dimensions (mm)				
			L	øD	øB	H(WAF)	T
PE-3P-G	G 3/8	31	(58)	24	4.5	19 x ø22	G 3/8
PE-3P-NPS	3/8 NPS	31	(58)	24	4.5	19 x ø22	3/8 NPS

NPS end configuration has an identification groove on the Cupla.

WAF : WAF stands for width across flats.

Socket PE-3S type (Male thread)

		Mass (g)	Dimensions (mm)		
			L	H(WAF)	T
PE-3S-G	G 3/8	48	(47)	23 x ø27	G 3/8
PE-3S-NPS	3/8 NPS	48	(47)	23 x ø27	3/8 NPS

NPS end configuration has an identification groove on the Cupla.

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