For Paint

Paint Cupla

Piping for painting equipment

Working pressure
1.0
1.0 MPa {10 kgf/cm²}

Valve structure
One-way shut-off

Applicable fluid
Solvent based Paint

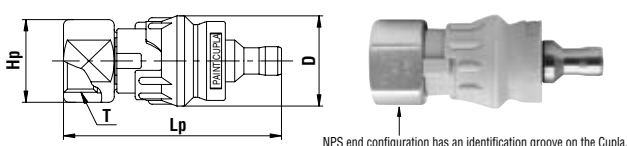# Quick connection and disconnection of paint spray gun and paint fluid line is realized.

- Unique swing connection sytem 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/cm²}	1.0 {10}			
Pressure resistance MPa {kgf/cm²}	1.5 {15}			
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks
	Fluoro-resin	PFA	0℃~+50℃	Standard material

Tightening Torque Range | N・m {kgf・cm}

Torque	15 {153}

Flow Direction

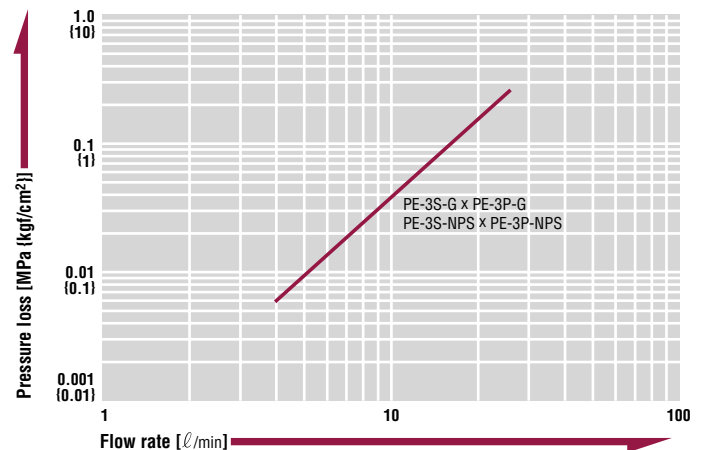Fluid must run from socket to plug.

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.

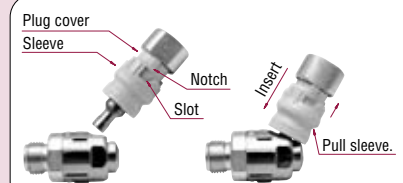### Flow Rate – Pressure Loss Characteristics

[Test conditions] •Fluid viscosity：8 x 16⁻⁷m²/s (Equivalent to water) •Temperature：30℃±5℃

Pressure loss [MPa (kgf/cm²)]
Flow rate [ℓ/min]
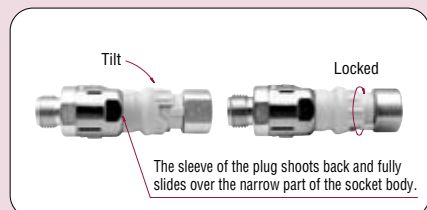
PE-3S-G x PE-3P-G
PE-3S-NPS x PE-3P-NPS

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.

Plug cover
Sleeve
Notch
Insert
Slot
Pull sleeve.

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.
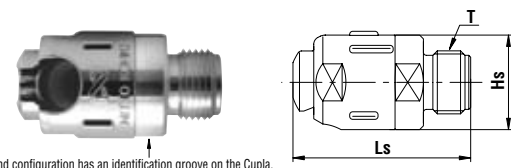
Tilt
Locked

The sleeve of the plug shoots back and fully slides over the narrow part of the socket body.

■**Disconnection**

Disconnect in the reverse order of connection.

Models and Dimensions

WAF : WAF stands for width across flats.

Plug   PE-3P type (Female thread)

NPS end configuration has an identification groove on the Cupla.

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

Socket   PE-3S type (Male thread)

NPS end configuration has an identification groove on the Cupla.

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.