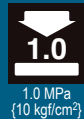


For Paint

PAINT CUPLA

Piping for painting equipment

Working pressure



Valve structure



Applicable fluid



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 CUPLA, ensuring safe operation.
- Wide variety of end configurations (standard thread: G 3/8) are available in response to various paint spray guns.



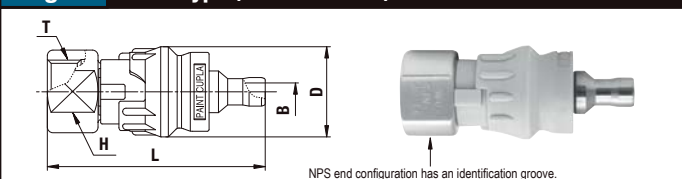
Flow Direction

Fluid must run from socket to plug.



Models and Dimensions

Plug PE-3P type (Female thread)



NPS end configuration has an identification groove.

| Model | Application (Thread) | Mass (g) | Dimensions (mm) | | | | |
|-----------|----------------------|----------|-----------------|----|-----|--------|---------|
| | | | L | øD | øB | H(WAF) | |
| PE-3P-G | G 3/8 | 31 | (58) | 24 | 4.5 | 19 | G 3/8 |
| PE-3P-NPS | 3/8 NPS | 31 | (58) | 24 | 4.5 | 19 | 3/8 NPS |

Specifications

| | | | | |
|------------------------------|-------------------------|---------------------|---------------------------|-------------------|
| Body material | Socket : Aluminum alloy | | Plug : Stainless steel | |
| Size (Thread) | 3/8", 3/8NPS | | | |
| Pressure unit | MPa | kgf/cm ² | bar | PSI |
| Working pressure | 1.0 | 10 | 10 | 145 |
| Seal material | Seal material | Mark | Working temperature range | Remarks |
| Working temperature range *1 | Fluoro-resin | PFA | 0°C to +50°C | Standard material |

*1: The operable temperature range depends on the operating conditions.

Tightening Torque Range

Nm {kgf·cm}

| | |
|--------|----------|
| Torque | 15 {153} |
|--------|----------|

Interchangeability

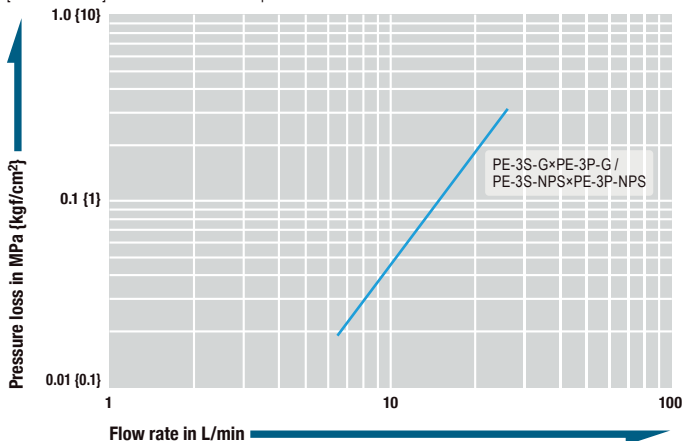
Sockets and plugs can be connected regardless of end configurations.

Suitability for Vacuum

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

Flow Rate – Pressure Loss Characteristics

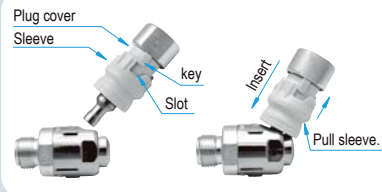
[Test conditions] - Fluid : Water - Temperature : 23°C±5°C



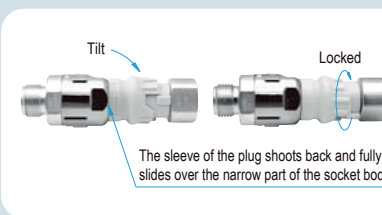
Connection and Disconnection

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.

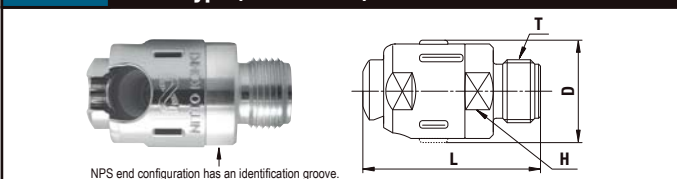


Disconnection

Disconnect in the reverse order of connection.

WAF : WAF stands for width across flats.

Socket PE-3S type (Male thread)



NPS end configuration has an identification groove.

| Model | Application (Thread) | Mass (g) | Dimensions (mm) | | | | |
|-----------|----------------------|----------|-----------------|----|--------|---------|--|
| | | | L | øD | H(WAF) | T | |
| PE-3S-G | G 3/8 | 48 | (47) | 27 | 23 | G 3/8 | |
| PE-3S-NPS | 3/8 NPS | 48 | (47) | 27 | 23 | 3/8 NPS | |