

For Low Pressure (Air)

Purge Plug

For air lines with purge mechanism

Working pressure

1.0
1.0 MPa
(10 kgf/cm²)

Valve structure



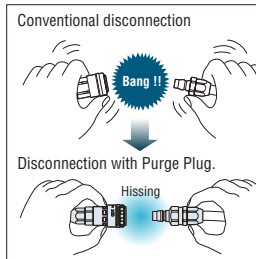
Purge valve

Applicable fluid



Air

Eliminates an unpleasant popping noise and a hose whip back motion when Cupla is disconnected.



- When the Cupla is disconnected, the pressure left in the plug side hose is released gradually without an unpleasant popping noise and a hose whip back motion.
 - Unique design of air purge system enables the residual pressure release quickly and quietly.
 - A unique but simple purge valve design is good for long and repeated use.
 - The function is assured even under a high supply pressure or with a long hose.
- Note: This product is not a check valve to totally stop the air flow.



Specifications

| | | | | |
|---------------------------|--|-------------------|----------|---------------------------|
| Body material | Steel (Chrome-plated) | | | |
| Size | 1/4", 3/8", 1/2" / ø6.5 x ø10, ø8.5 x ø12.5 hose | | | |
| Working pressure | MPa | 1.0 | | |
| | kgf/cm ² | 10 | | |
| | bar | 10 | | |
| | PSI | 145 | | |
| Seal material | Nitrile rubber | Mark | NBR (SG) | Working temperature range |
| Working temperature range | -20°C to +60°C | | | |
| | | Standard material | | |

Tightening Torque Range

Nm {kgf·cm}

| | |
|--------|---------------------|
| Torque | 9 to 11 {92 to 112} |
|--------|---------------------|

Flow Direction

Fluid must run from socket to plug.



Interchangeability

Can be connected with sockets for Hi Cupla Models 10, 17, 20, 30 and 40. Interchangeable with each corresponding models of Hi Cupla Series and Nut Cupla Series.

Min. Cross-Sectional Area

(mm²)

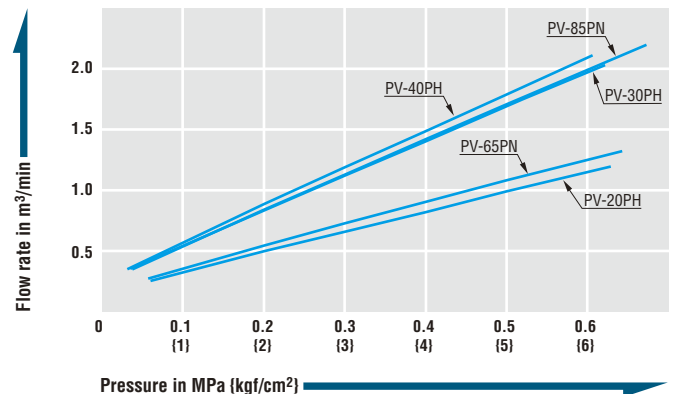
| Model | PV-20PH | PV-30PH | PV-40PH | PV-65PN | PV-85PN |
|---------------------------|---------|---------|---------|---------|---------|
| Min. cross-sectional area | 19.6 | 44.1 | 50.4 | 22.0 | 44.1 |

Suitability for Vacuum

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

Pressure - Flow Characteristics

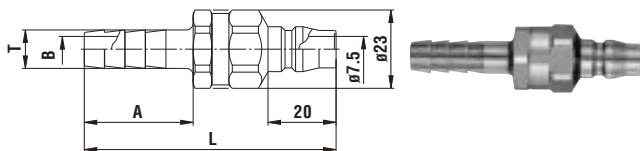
[Test conditions] • Fluid : Air • Temperature : Room temperature



Models and Dimensions

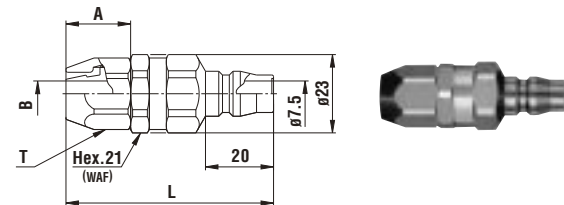
WAF : WAF stands for width across flats.

Plug PH type (Hose barb)



| Model | Application (Hose) | Mass (g) | Dimensions (mm) | | | |
|---------|--------------------|----------|-----------------|----|-----|------|
| | | | L | A | øB | øT |
| PV-20PH | 1/4" | 59 | (70) | 28 | 5 | 8.4 |
| PV-30PH | 3/8" | 62 | (74) | 32 | 7.5 | 11.3 |
| PV-40PH | 1/2" | 76 | (77) | 35 | 9 | 14.8 |

Plug PN type (For urethane hose connection)



| Model | Application (Hose) | Mass (g) | Dimensions (mm) | | | |
|---------|--------------------|----------|-----------------|----|-----|---------|
| | | | L | A | øB | T (WAF) |
| PV-65PN | ø6.5 mm x ø10 mm | 71 | (59) | 17 | 5.3 | Hex.17 |
| PV-85PN | ø8.5 mm x ø12.5 mm | 78 | (61) | 19 | 7.5 | Hex.19 |