

For Air

Purge Hi Cupla

PVR Type

Air line coupling with built-in residual air pressure release function

Working pressure



1.5 MPa
(15 kgf/cm²)

Valve structure

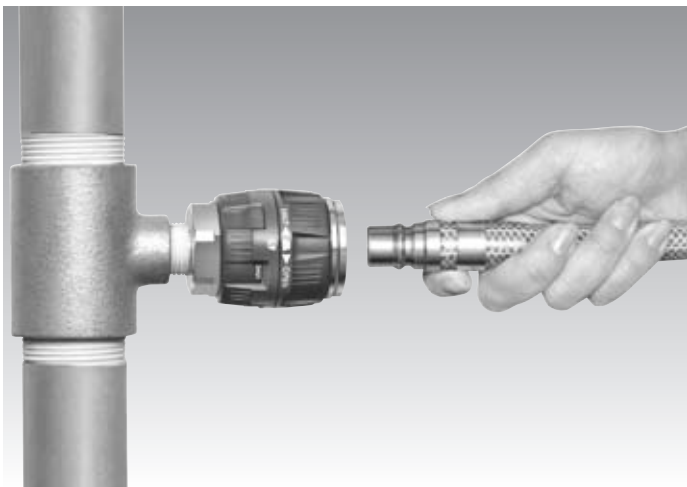


One-way shut-off

Applicable fluid



Air



Connection can be made smoothly regardless of the existing pressure inside the socket.

- Push-to-connect operation. Easy one-hand operation.
- The sleeve lock function prevents unexpected disconnection.
- Upon completion of sleeve locking the valve will open to supply air.
- When the sleeve is turned back to the original position, the valve is closed and purges residual air in the plug without unpleasant popping noise and hose whip on disconnection.
- Even after connection, valve opening/closing control is possible.
- Flow rate increases by approximately 20% over that of Hi Cupla Model 400SM.
- Can be connected with plugs of Hi Cupla Models 400, 600 and 800.

Specifications

Body material	Zinc Die Cast, brass, and others			
Size	1/2" (400 type) • 3/4" (600 type) • 1" (800 type)			
Working pressure MPa (kgf/cm ²)	1.5 (15)			
Pressure resistance MPa (kgf/cm ²)	2.0 (20)			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Nitrile rubber Hydrogenated nitrile rubber	NBR (SG)	-5°C~+60°C	Standard material

Max. Tightening Torque

N·m (kgf·cm)

Size	1/2"	3/4"	1"
Torque	30 (306)	50 (510)	65 (663)

Flow Direction

Fluid must run from socket to plug.



Interchangeability

Can be connected with plugs of Hi Cupla Models 400, 600 and 800.

Min. Cross-Sectional Area

(mm²)

Model	400PH	400PM/PF	600PH	600PM/PF	800PH	800PM/PF
PVR-400SH	64	71	71	71	71	71
PVR-400SM/SF	64	116	116	116	116	116
PVR-600SH	64	116	116	116	116	116
PVR-600SM/SF	64	116	116	116	116	116
PVR-800SH	64	116	116	116	116	116
PVR-800SM/SF	64	116	116	116	116	116

Suitability for Vacuum

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

Pressure - Flow Rated Characteristics

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

