

For Low Pressure (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

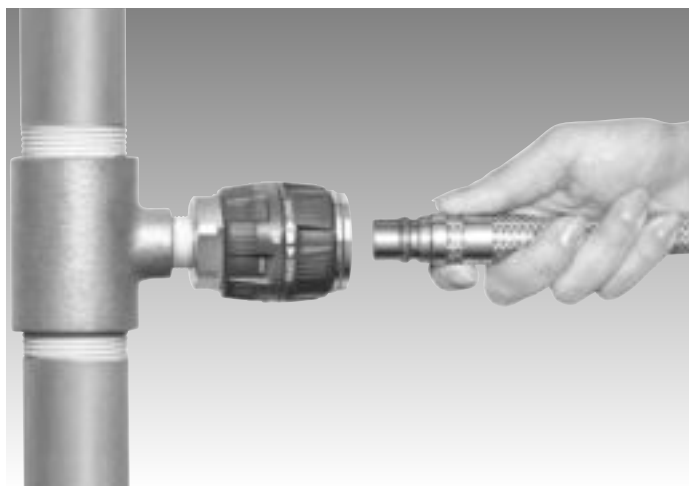
Applicable fluid



Air

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

- Push-to-connect operation. Easy one-hand operation.
- Built-in sleeve lock mechanism prevents accidental disconnection of Cuplas, ensuring safe operation.
- Upon completion of sleeve locking the valve will open to supply air.
- When the sleeve is turned back to its original position, the valve is closed and purges residual air pressure in the plug without an unpleasant popping noise and a hose whip back motion 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 for Hi Cupla Models 400, 600 and 800.



Specifications

Body material		Zinc alloy die casting, brass, and others		
Size	Thread	1/2", 3/4", 1"		
	Hose barb	1/2", 3/4", 1" hose		
Working pressure		MPa	1.5	
		kgf/cm ²	15	
		bar	15	
		PSI	218	
Seal material		Seal material	Mark	Working temperature range
Working temperature range		Nitrile rubber Hydrogenated nitrile rubber	NBR (SG)	-20°C to +60°C
		Standard material		

Max. Tightening Torque

Nm (kgf·cm)

Size (Thread)	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 for Hi Cupla Models 400, 600 and 800.

Min. Cross-Sectional Area

(mm²)

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

