




For Low Pressure (Air)

PURGE LINE CUPLA

Simple air line coupling manifold with residual pressure release function

Working pressure  1.0 MPa {10 kgf/cm ² }	Valve structure  One-way shut-off	Applicable fluid  Air
-----------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------

Residual pressure can be released by a mere lever turn. Very smooth connection/disconnection!

- Single action, just push in the plug to connect regardless of internal pressure in socket.
- No unpleasant noise of air pressure discharge and no hose whip motion on disconnection for safety operation.
- Safe design – socket valve will not open or close unless plug is connected.
- Even after connection, a lever turn will open/close valve with perfect control of air flow or line shut-off.
- Enables simultaneous air supply to three outlets from a single air line.
(A single outlet PURGE HI CUPLA is also available - see the pages of PURGE HI CUPLA for details.)



Application Example



Specifications

Body material	Brass (Chrome plated)			
Size	Inlet	R 1/2		
	Outlet	Socket (PV-30SM)		
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	Nitrile rubber	NBR	-20°C to +60°C	Standard material

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

Maximum Tightening Torque

Nm {kgf·cm}

Size (Thread)	1/2"
Torque	30 {306}

Flow Direction

Fluid must run from the intake port to the outlet ports. Please refer to the flow directions (arrows) on the "Models and Dimensions."

Interchangeability

Interchangeable with plugs of HI CUPLA models 10, 17, 20, 30 and 40. Interchangeable with each models of NUT CUPLA series and HI CUPLA series. Please see page 21 for "HI CUPLA Series Interchangeability".

Minimum Cross-Sectional Area

(mm²)

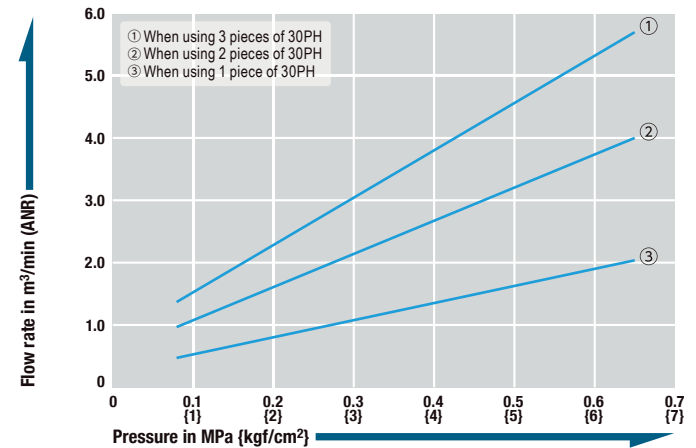
Min. cross-sectional area	41
---------------------------	----

Suitability for Vacuum

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

Pressure - Flow Characteristics

[Test conditions] - Fluid : Air



Models and Dimensions

WAF : WAF stands for width across flats.

Socket RE-PV-30 type (For three outlets)

Mass : 1090 g

• Fluid must run in the direction of the arrow.

