

For Low Pressure (Air)

# Purge Plug

For air lines with purge mechanism

Working pressure



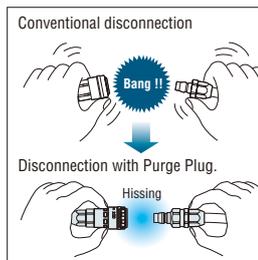
Valve structure



Applicable fluid



**Eliminates unpleasant popping noise and hose whip motion when Cupla is disconnected.**



- When the Cupla is disconnected, the pressure left in the plug side hose is released gradually without unpleasant popping noise and hose whip 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 (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 <sup>2</sup>	10		
	bar	10		
	PSI	145		
Seal material	Nitrile rubber	Mark	NBR (SG)	Working temperature range
Working temperature range	-20°C to +60°C			
				Remarks
	Standard material			

## Tightening Torque Range Nm (kgf·cm)

Torque	9 to 11 [92 to 112]
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To mount on urethane hose, slide it over to the hose barb and tighten the nut until it is flush against the hose barb base. It is recommended that grease is applied to the inside of the nut (threaded part and hose contact part) for easy tightening.

## Flow Direction



## 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 (mm<sup>2</sup>)

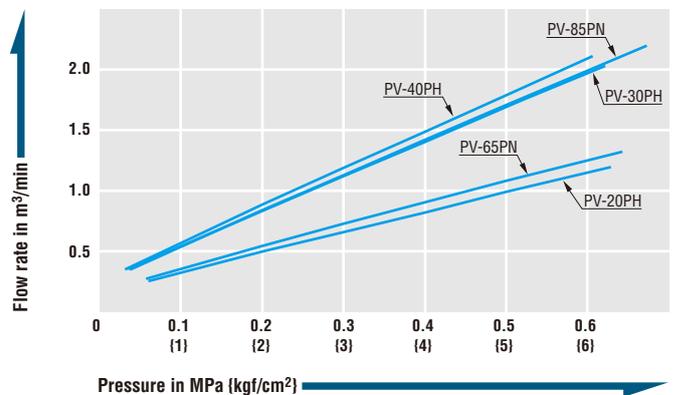
Model	PV-20PH	PV-30PH	PV-40PH	PV-65PN	PV-85PN
Min. cross-sectional area	19.6	44.1	50.4	22.0	44.1

## 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