

For Low Pressure (Air)

# Purge Plug

For air lines with purge mechanism

Working pressure



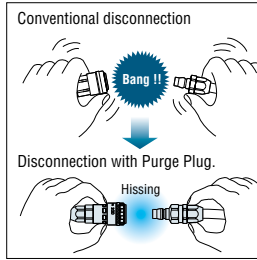
Valve structure



Applicable fluid



**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" / $\phi 6.5 \times \phi 10$ , $\phi 8.5 \times \phi 12.5$ 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	-20°C to +60°C	Remarks	Standard material

## Tightening Torque Range

Torque	9 to 11 [92 to 112] Nm (kgf·cm)
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## 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

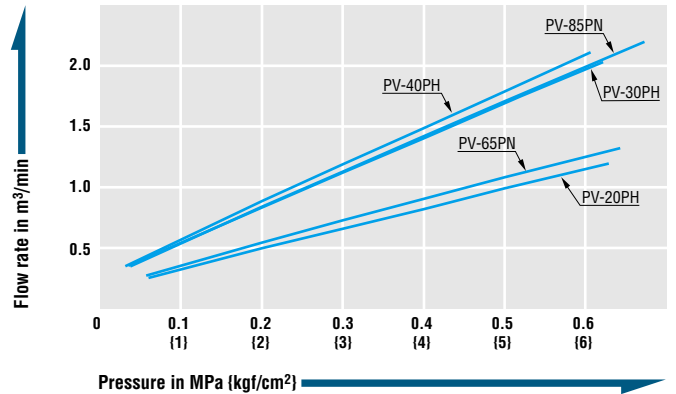
Model	PV-20PH	PV-30PH	PV-40PH	PV-65PN	PV-85PN
Min. cross-sectional area	19.6	44.1	50.4	22.0	44.1

## Suitability for Vacuum

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

## Pressure - Flow Characteristics

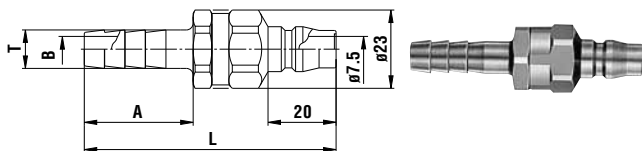
[Test conditions] • Fluid : Air • Temperature : Room temperature



## Models and Dimensions

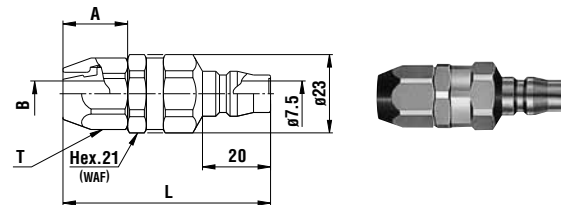
WAF : WAF stands for width across flats.

### Plug PH type (Hose barb)



Model	Application (Hose)	Mass (g)	Dimensions (mm)			
			L	A	$\phi B$	$\phi T$
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	$\phi B$	T (WAF)
PV-65PN	$\phi 6.5 \text{ mm} \times \phi 10 \text{ mm}$	71	(59)	17	5.3	Hex.17
PV-85PN	$\phi 8.5 \text{ mm} \times \phi 12.5 \text{ mm}$	78	(61)	19	7.5	Hex.19