

For Air

# Purge Plug

For air lines with purge mechanism

**Working pressure**  

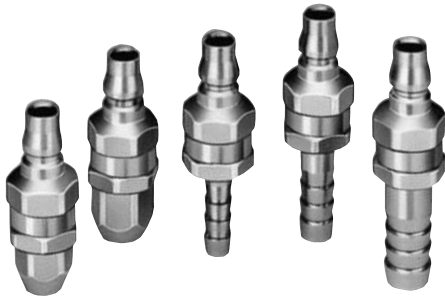
 1.0 MPa (10 kgf/cm<sup>2</sup>)

**Valve structure**  

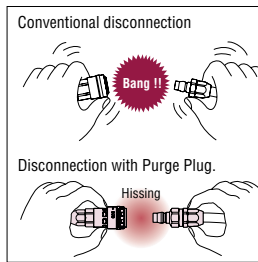
 Purge valve

**Applicable fluid**  

 Air Inert gas



**Eliminates unpleasant pop and hose whipping motion when Cupla is disconnected.**



- When the Cupla is disconnected, the pressure left in the hose is released gradually, eliminating unpleasant noise and hose whip back.
- 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"			
Working pressure MPa (kgf/cm <sup>2</sup> )	1.0 (10)			
Pressure resistance MPa (kgf/cm <sup>2</sup> )	1.5 (15)			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Nitrile rubber	NBR (SG)	-5°C~+60°C	Standard material

## Tightening Torque Range

N·m {kgf·cm}

9~11 (92~112)

## Flow Direction

Fluid must run from socket to plug.



## Interchangeability

Can be connected with plugs for Hi Cupla Models 20, 30 and 40. Interchangeable with each corresponding Hi Cupla Series models.

## Min. Cross-Sectional Area (mm<sup>2</sup>)

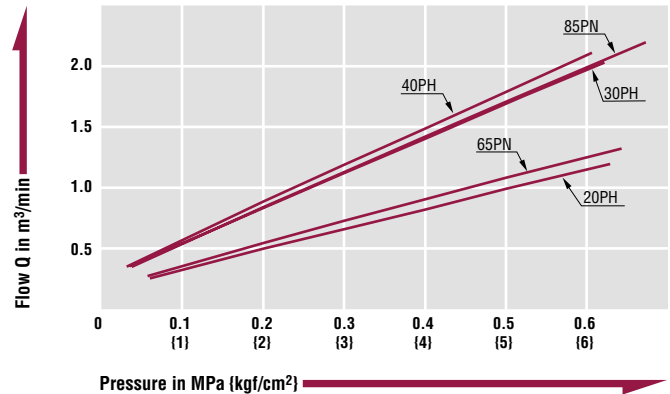
Model	PV-20PH	PV-30PH	PV-40PH	PV-65PN	PV-85PN
Min. Cross-sectional Area	19.6	44.1	50.4	22.0	44.1

## Suitability for Vacuum

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

## Pressure - Flow Characteristics

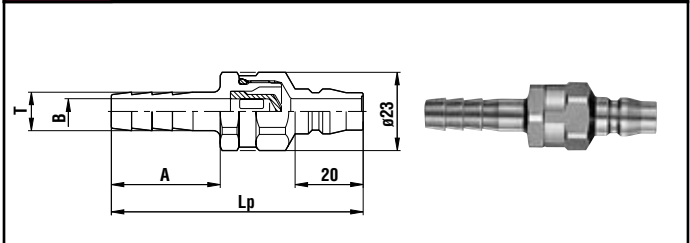
[Test conditions] • Fluid : Air • Temperature : Room temperature



## Models and Dimensions

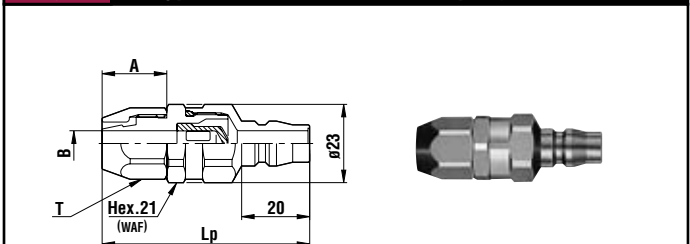
WAF : WAF stands for width across flats.

### Plug PH type (Hose barb)



Model	Application (Hose)	Mass (g)	Dimensions (mm)			
			Lp	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 with spring nut connection)



Model	Application (Hose)	Mass (g)	Dimensions (mm)			
			Lp	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