# For Low Pressure (Air)

# **Purge Hi Cupla**

Air line coupling with residual pressure release function



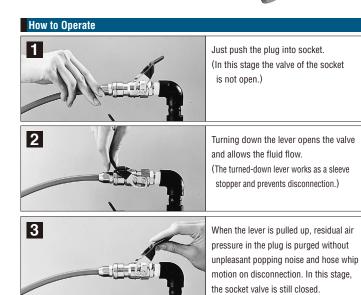
# Push-to-connect operation even with existing internal pressure! Eliminates unpleasant popping noise and hose whip motion on disconnection.

- Just push in the plug for connection regardless of internal pressure in socket.
- Even after connection, lever operation gives perfect control over valve opening/closing.
  In disconnection, lever action releases residual air pressure in the plug
- without unpleasant popping noise and hose whip motion.
- Safe design prevents leveroperated valve from opening when plug is not connected.

Can be connected to corresponding HI Cupla plugs

Push-to-connect design

Lever action opens / closes the valve in the Cupla



Specifications									
Body material		Brass (Plated)							
Size (Thread)		1/4", 3/8", 1/2", 3/4"							
Working pressure	MPa	1.0							
	kgf/cm²	10							
	bar	10							
	PSI	145							
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks				
		Nitrile rubber	NBR (SG)	-20°C to +60°C	Standard material				

Max. Tightening Torque Nm {kgf•cm}								
Model	PV-20SM	PV-30SM	PV-40SM	PV-400SM	PV-600SM			
Torque	9 {92}	11 {112}	30 {306}	30 {306}	50 {510}			

## **Flow Direction**



## Interchangeability

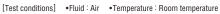
Models 20, 30 and 40 can be connected to plugs of Hi Cupla Models 10, 17, 20, 30 and 40. Models 400, 600 can be connected to plugs of Hi Cupla Models 400, 600 and 800. Interchangeable with each corresponding Hi Cupla Series models.

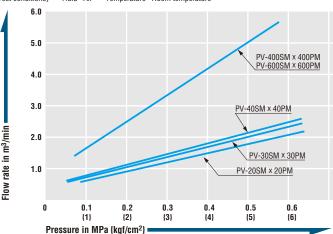
Min. Cross-Sectional Area (mm <sup>2</sup> )								
Model	PV-20SM	PV-30SM	PV-40SM	PV-400SM	PV-600SM			
Min. cross-sectional area	38	41	41	94	94			

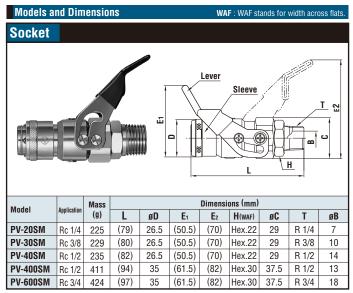
#### Suitability for Vacuum

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

### **Pressure - Flow Characteristics**







Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products.