For Low Pressure

HI CUPLA

Universal purpose couplings for air lines

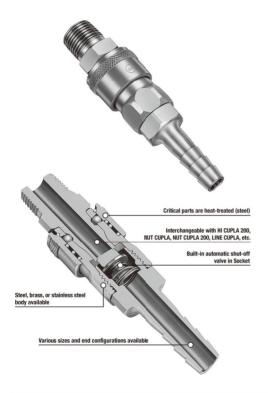






From factory air line to pneumatic tool connection, available in various body materials, sizes and end configurations. Excellent durability.

- An excellent general purpose coupling for connecting factory air supply to pneumatic tools.
- Steel coupling is suitable for air. Brass or stainless steel is suitable for water. Note that fluid will come out from the plug when disconnected.
- Critical structural parts of steel models are heat-treated for increased strength giving greater durability and resistance to wear.
- · Available in various body materials, sizes and end configurations applicable to a wide range of applications.



Spe	cifications									
Body n	naterial		Steel (Chrome pla	ated)	Brass		Stainless steel (SUS30			
	Thread and hose barb		Thread and hose barb 1/8" to 1", 1/4" to 1" hose							
Size	Tube ba (Tube fitte		Polyurethane tube: Outer dia. $\emptyset 6 \pm 0.1$, $\& 8 \pm 0.15$, $\& 910 \pm 0.15$ Polyamide tube: Outer dia. $\& 6^{+}_{-0.05}, \& 8^{+}_{-0.1}, \& 910^{+}_{-0.05}$ Fluorine contained resin tube: Outer dia. $\& 6 \pm 0.07$, $\& 8 \pm 0.07$, $\& 910 \pm 0.07$							
MPa			1.5		1.0		1.5			
Working pressure kgf/cm² bar PSI		15		1	10		15			
		bar	15		10		15			
		218		1	45		218			
0			Seal material		Mark	Workin temperature	g range	Remarks		
Seal material Working temperature range *2		Nitrile rubber		NBR	-20°C to +	80°C	Standard material			
gp-/uturo rungo /			Fluoro rubber		FKM	-20°C to +180°C				

- ure. e or soft nylon, attach the insert ring specified by the

Maximum Tightening Torque Nm {kgf·cm}										
Size (Thread)		1/8" 1/4"		3/8"	1/2"	3/4"	1"			
Torque	Steel	7 {71}	14 {143}	22 {224}	60 (612)	100 (1020)	120 {1224}			
	Brass	5 (51)	9 (92)	11 {112}	30 {306}	50 (510)	65 (663)			
	Stainless steel	-	14 {143}	22 {224}	60 (612)	100 (1020)	120 {1224}			

- Sockets and plugs of models 10, 17, 20, 30, and 40 can be connected with each other regardless of end configurations.

 Sockets and plugs of models 400, 600, and 800 can be connected with each other regardless of end configurations.

 and configurations.

 Interchangeable with each models of NUT CUPLA series and HI CUPLA series.

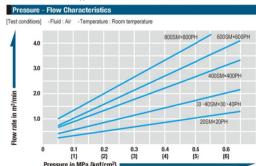
 Please see page 21 for "HI CUPLA Series Interchangeability".

Minimum Cross-Sectional Area (mm²) 10, 17, 20, 30, 40 type											
											Socket Plug
10SM	16	20	20	20	13	20	20	20	20	20	20
17SH	16	16	16	16	13	16	16	16	16	16	16
20SH	16	20	20	20	13	20	20	20	20	20	20
20SM, SF	16	20	33	33	13	33	33	33	33	33	33
30SH	16	20	33	33	13	33	33	33	33	33	33
30SM, SF	16	20	33	33	13	33	33	33	33	33	33
40SH	16	20	33	33	13	33	33	33	33	33	33
40SM, SF	16	20	33	33	13	33	33	33	33	33	33

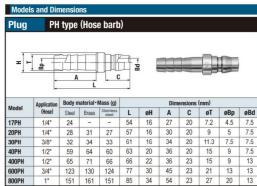
■ 400, 600, 800 type										
Socket Plug	400PH	600PH	800PH	400PM	600PM	800PM	400PF	600PF	800PF	
400SH	64	64	64	64	64	64	64	64	64	
400SM, SF	64	94	94	94	94	94	94	94	94	
600SH	64	94	94	94	94	94	94	94	94	
600SM, SF	64	94	94	94	94	94	94	94	94	
800SH	64	94	94	94	94	94	94	94	94	
800SM, SF	64	94	94	94	94	94	94	94	94	

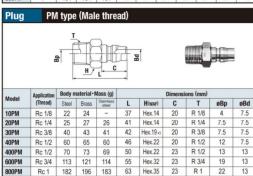
Suitability for Vacuum

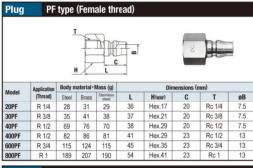
Not suitable for vacuum application in either connected or disconnected condition.

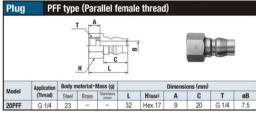


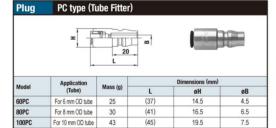




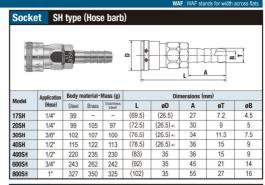


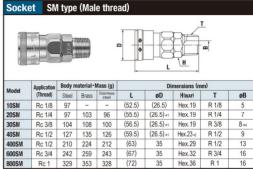


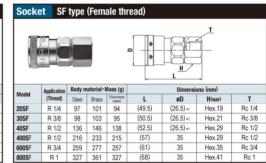




Plug







- Above pictures are plugs and sockets of steel 20, 30 and 40 models.

 1: D = 25.4 for brass and stainless steel models.

 2: H = Hex. Z2 for brass and stainless steel models.

 3: H = Hex. T0 brass and stainless steel models.

 4: B = 9 for brass and stainless steel models.

