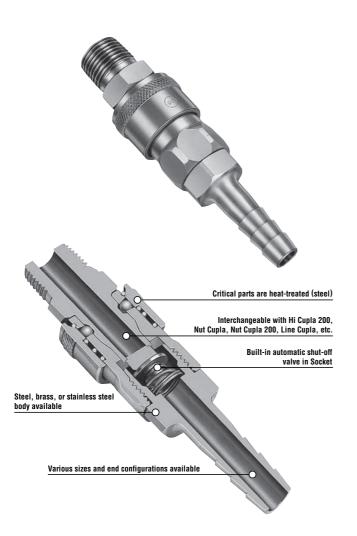


From factory air line to pneumatic tool connection, available in various body materials, sizes and end configurations. Excellent durability.

- 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.



O constituent to constitue to c										
Specific	cations									
Body material			Steel (Chrome-p	lated)	Bra	ass	Stainless steel			
Size	Thread		1/8" to 1"							
Size	Hose barb		1/4" to 1" hose							
MPa		1.5		1	.0	1.5				
Working nr	Working pressure kgf/cr		15		10		15			
troining pr	000010	bar	15		10		15			
		PSI	218		145		218			
Seal material			Seal material		Mark	Working temperature range		Remarks		
Working temperature range		Nitrile rubber N		BR (SG)	-20°C to +80°C		Standard material			
3			Fluoro rubber	FKI	VI (X-100)	-20°C to +180°C		Stanuard Material		

Max. Tightening Torque Nm {kgf•cm}										
Size (Thread)		1/8"	1/4"	3/8"	1/2"	3/4"	1"			
	Steel	7 {71}	14 {143}	22 {224}	60 (612)	100 (1020)	120 {1224}			
Torque	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}			

Flow Direction
Fluid must run from socket to plug.

Interchangeability

- Sockets and plugs for Models 10, 17, 20, 30, and 40 can be connected with each other regardless of end configurations.
- Sockets and plugs for Models 400, 600, and 800 can be connected with each other regardless of end configurations. and can not be connected across each group.
- Interchangeable with all other Hi Cupla Series products. Please see the page for "Hi Cupla Series Interchangeability."

Min. Cross-Sectional Area (mm²)												
10, 17, 20, 30, 40 type												
Socket Plug	17PH	20PH	30PH	40PH	10PM	20PM	30PM	40PM	20PF	30PF	40PF	
10SM	13	13	13	13	13	13	13	13	13	13	13	
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	
■400 600 900 tune												

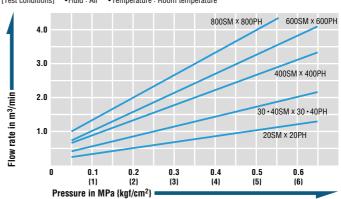
■400, 600 type										
	Socket Plug	400PH	600PH	800PH	400PM	600PM	800PM	400PF	600PF	800PF
	400SH	64	64	64	64	64	64	64	64	64
	400SM, SF	64	94	94	94	94	94	94	94	94
	600SH	64	94	94	94	94	94	94	94	94
	600SM, SF	64	94	94	94	94	94	94	94	94
	800SH	64	94	94	94	94	94	94	94	94
	800SM, SF	64	94	94	94	94	94	94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

Suitability for Vacuum

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

Pressure - Flow Characteristics

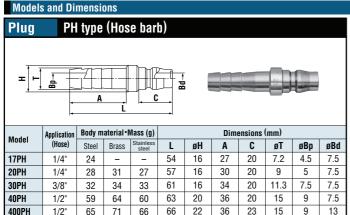
[Test conditions] •Fluid : Air •Temperature : Room temperature



SH type (Hose barb)

Socket

Socket



77 30

85

151

34

45

54 23 27

23 21

13

20

13

13

600PH

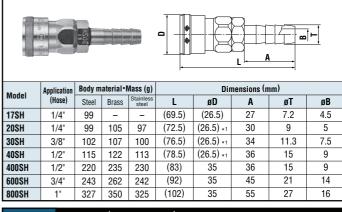
800PH

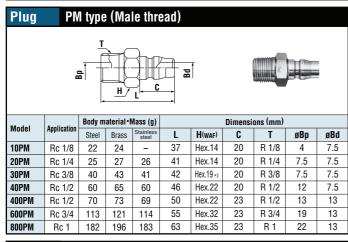
3/4"

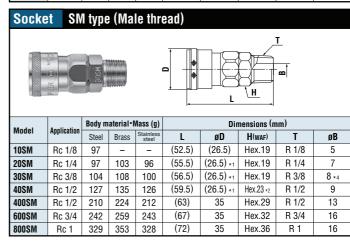
1'

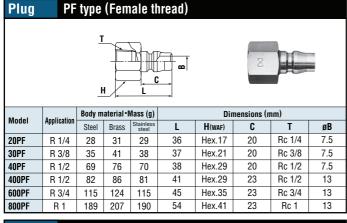
123 | 130 | 124

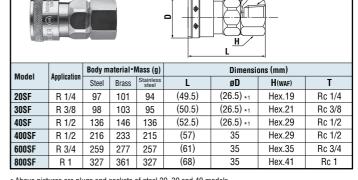
151 | 161

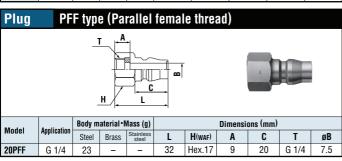












• Above pictures are plugs and sockets of steel 20, 30 and 40 models. $^*1:D=25.4$ for brass and stainless steel models.

SF type (Female thread)

- *1 : D = 25.4 for brass and stainless steel models.
 *2 : H = Hex. 22 for brass and stainless steel models.
- *3 : H = Hex. 17 for brass and stainless steel models.
- *4 : B = 9 for brass and stainless steel models.

