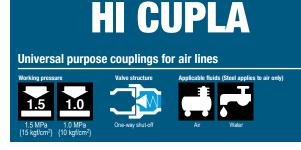
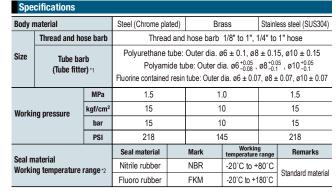
For Low Pressure



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.



Above specifications apply only to CUPLA. Maximum working pressure and working temperature range may vary depending on tube materials you use with and the working temperature.
"It When connecting an extremely soft tube such as soft polyurethane or soft nylon, attach the insert ring specified by the tube materials and the ube to be connected.
"2: The operable temperature range depends on the operating conditions.

Maximum Tightening Torque Nm {kgf•cm}										
Size (Three	ad)	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



Interchangeability

- O 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. 1 and 2 can not be connected across each group.
- Interchangeable with each models of NUT CUPLA series and HI CUPLA series.

Please see	Please see page 21 for "HI CUPLA Series Interchangeability".											
Minimum	Cross	-Secti	onal Ai	rea						(mm²)	
10, 17, 20, 30, 40 type												
Plug Socket	Socket Plug 17PH 20PH 30PH 40PH 10PM 20PM 30PM 40PM 20PF											
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

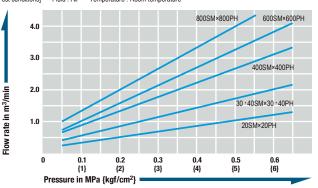
Plug	400PH	600PH	800PH	400PM	600PM	800PM	400PF	600PF	800PF
400SH	64	64	64	64	64	64	64	64	64
400SM, SF	64	94	94	94	94	94	94	94	94
600SH	64	94	94	94	94	94	94	94	94
600SM, SF	64	94	94	94	94	94	94	94	94
800SH	64	94	94	94	94	94	94	94	94
800SM, SF	64	94	94	94	94	94	94	94	94

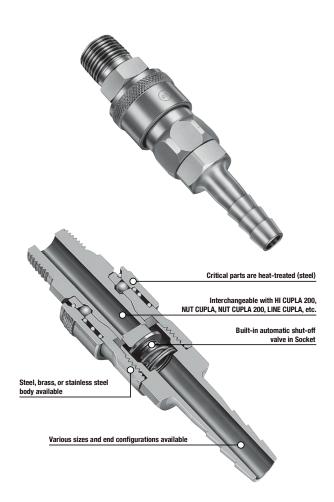
Suitability for Vacuum

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

Pressure - Flow Characteristics

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





HI CUPLA WAF : WAF stands for width across flat

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Models and Dimensions

PH type (Hose barb) Plug

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	Application	Body material • Mass (g)				Dimensions (mm)					
Model	(Hose)	Steel	Brass	Stainless steel	L	øH	Α	C	øT	øBp	øBd
17PH	1/4"	24	-	-	54	16	27	20	7.2	4.5	7.5
20PH	1/4"	28	31	27	57	16	30	20	9	5	7.5
30PH	3/8"	32	34	33	61	16	34	20	11.3	7.5	7.5
40PH	1/2"	59	64	60	63	20	36	20	15	9	7.5
400PH	1/2"	65	71	66	66	22	36	23	15	9	13
600PH	3/4"	123	130	124	77	30	45	23	21	13	13
800PH	1"	151	161	151	85	34	54	23	27	20	13

PM type (Male thread) Plug

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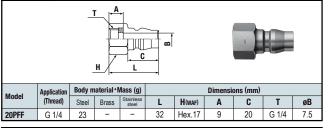




Model	Application	Body m	aterial	Mass (g)	Dimensions (mm)						
wodei	(Thread)	Steel	Brass	Stainless steel	L	H(WAF)	C	Т	øBp	øBd	
10PM	Rc 1/8	22	24	-	37	Hex.14	20	R 1/8	4	7.5	
20PM	Rc 1/4	25	27	26	41	Hex.14	20	R 1/4	7.5	7.5	
30PM	Rc 3/8	40	43	41	42	Hex.19*3	20	R 3/8	7.5	7.5	
40PM	Rc 1/2	60	65	60	46	Hex.22	20	R 1/2	12	7.5	
400PM	Rc 1/2	70	73	69	50	Hex.22	23	R 1/2	13	13	
600PM	Rc 3/4	113	121	114	55	Hex.32	23	R 3/4	19	13	
800PM	Rc 1	182	196	183	63	Hex.35	23	R 1	22	13	

Plug	PF	type	(Fem	ale th	read)				
		<u>1</u> _!					8		
Model Application Body material Mass (g)						Dii	nensions (n	ım)	
wouer	(Thread)	Steel	Brass	Stainless steel	L	H(WAF)	C	Т	øB
20PF	R 1/4	28	31	29	36	Hex.17	20	Rc 1/4	7.5
30PF	R 3/8	35	41	38	37	Hex.21	20	Rc 3/8	7.5
40PF	R 1/2	69	76	70	38	Hex.29	20	Rc 1/2	7.5
400PF	R 1/2	82	86	81	41	Hex.29	23	Rc 1/2	13
600PF	R 3/4	115	124	115	45	Hex.35	23	Rc 3/4	13
800PF	R 1	189	207	190	54	Hex.41	23	Rc 1	13

Plug PFF type (Parallel female thread)



Plug PC type (Tube Fitter)

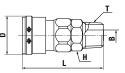
Model	Application	Mass (g)		Dimensions (mm)					
MOUEI	(Tube)	wass (y)	L	øH	øB				
60PC	For 6 mm OD tube	25	(37)	14.5	4.5				
80PC	For 8 mm OD tube	30	(41)	16.5	6.5				
100PC	For 10 mm OD tube	43	(45)	19.5	7.5				

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Model Application Body material • Mass (g) Dimensions (mm)											
wodei	(Hose)	Steel	Brass	Stainless steel	L	øD	Α	øT	øB		
17SH	1/4"	99	-	-	(69.5)	(26.5)	27	7.2	4.5		
20SH	1/4"	99	105	97	(72.5)	(26.5)*1	30	9	5		
30SH	3/8"	102	107	100	(76.5)	(26.5)*1	34	11.3	7.5		
40SH	1/2"	115	122	113	(78.5)	(26.5)*1	36	15	9		
400SH	1/2"	220	235	230	(83)	35	36	15	9		
600SH	3/4"	243	262	242	(92)	35	45	21	14		
800SH	1"	327	350	325	(102)	35	55	27	16		

Socket SM type (Male thread)

Socket SH type (Hose barb)





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Madal	Application				Dimensions (mm)					
Model	(Thread)	Steel	Brass	Stainless steel	L	øD	H(WAF)	Т	øB	
10SM	Rc 1/8	97	-	-	(52.5)	(26.5)	Hex.19	R 1/8	5	
20SM	Rc 1/4	97	103	96	(55.5)	(26.5)*1	Hex.19	R 1/4	7	
30SM	Rc 3/8	104	108	100	(56.5)	(26.5)*1	Hex.19	R 3/8	8 *4	
40SM	Rc 1/2	127	135	126	(59.5)	(26.5)*1	Hex.23*2	R 1/2	9	
400SM	Rc 1/2	210	224	212	(63)	35	Hex.29	R 1/2	13	
600SM	Rc 3/4	242	259	243	(67)	35	Hex.32	R 3/4	16	
800SM	Rc 1	329	353	328	(72)	35	Hex.36	R1	16	

Socket SF type (Female thread)

	,											
Model	Application	Body material • Mass (g)				Dimensio	Dimensions (mm)					
wodei	(Thread)	Steel	Brass	Stainless steel	L	øD	H(WAF)	Т				
20SF	R 1/4	97	101	94	(49.5)	(26.5) *1	Hex.19	Rc 1/4				
30SF	R 3/8	98	103	95	(50.5)	(26.5) *1	Hex.21	Rc 3/8				
40SF	R 1/2	136	146	138	(52.5)	(26.5) *1	Hex.29	Rc 1/2				
400SF	R 1/2	216	233	215	(57)	35	Hex.29	Rc 1/2				
600SF	R 3/4	259	277	257	(61)	35	Hex.35	Rc 3/4				
800SF	R 1	327	361	327	(68)	35	Hex.41	Rc 1				

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. 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.

