

For Low Pressure (Air)

Hi Cupla

Two Way Type

For bidirectional compressed air flow

Working pressure

1.5
1.5 MPa
(15 kgf/cm²)

Valve structure



One-way shut-off

Applicable fluid



Air

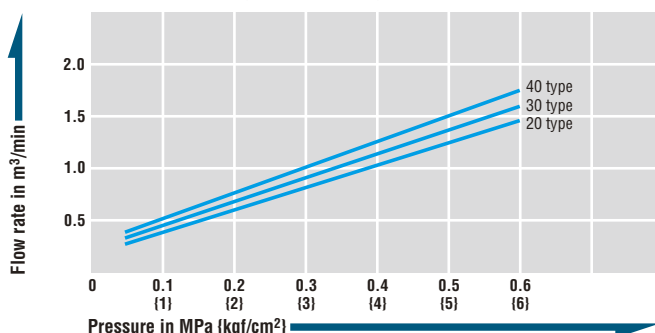
Air flows in either direction from plug or from socket side when coupled. Ideal for connection of factory air supply lines to pneumatic devices.

- Can be connected with plugs for Hi Cupla Models 10, 17, 20, 30 and 40 and allows fluid to flow from either plug or socket side when coupled.
- Wide range of connections such as from ports on air pipes in factory to individual pneumatic devices.
- Critical structural parts are heat-treated for increased strength giving greater durability and resistance to wear.
- Available in various sizes and end configurations to suit a wide range of applications.



Pressure - Flow Characteristics

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



Specifications				
Body material of brass or stainless steel is available as made-to-order item.				
Body material		Steel (Chrome-plated)		
Size	Thread	1/4", 3/8", 1/2"		
	Hose barb	For ø6.5 mm x ø10mm, ø8.5 mm x ø12.5 mm hose		
Working pressure	MPa	1.5		
	kgf/cm ²	15		
	bar	15		
	PSI	218		
Seal material		Seal material	Mark	Working temperature range
Working temperature range		Nitrile rubber	NBR (SG)	-20°C to +80°C
		Fluoro rubber	FKM (X-100)	-20°C to +180°C
				Remarks
				Standard material
				Made-to-order item

Max. Tightening Torque		Nm (kgf·cm)		
Size (Thread)		1/4"	3/8"	1/2"
Torque		14 (143)	22 (224)	60 (612)

Flow Direction

Fluid may flow in either direction from plug or from socket side when coupled.



Interchangeability

Can be connected with plugs for Hi Cupla Models 10, 17, 20, 30 and 40. Interchangeable with each corresponding Hi Cupla Series models.

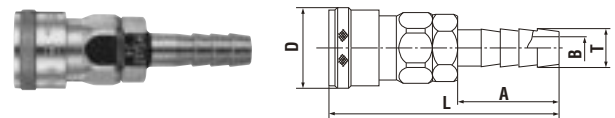
Suitability for Vacuum

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

Models and Dimensions

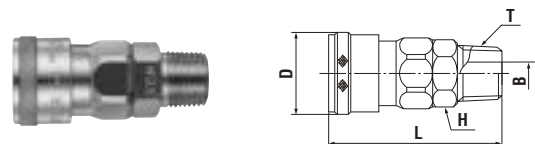
WAF : WAF stands for width across flats.

Socket SH type (Hose barb)



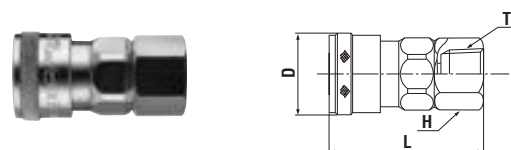
Model	Application (Hose)	Mass (g)	Dimensions (mm)				
			L	øD	A	øT	øB
TW20SH	1/4"	98	(72.5)	(26.5)	30	9	5
TW30SH	3/8"	102	(76.5)	(26.5)	34	11.3	7.5
TW40SH	1/2"	117	(78.5)	(26.5)	36	15	9

Socket SM type (Male thread)



Model	Application	Mass (g)	Dimensions (mm)				
			L	øD	H(WAF)	T	øB
TW20SM	Rc 1/4	95	(55.5)	(26.5)	Hex.19	R 1/4	7
TW30SM	Rc 3/8	109	(56.5)	(26.5)	Hex.19	R 3/8	8
TW40SM	Rc 1/2	116	(59.5)	(26.5)	Hex.23	R 1/2	9

Socket SF type (Female thread)



Model	Application	Mass (g)	Dimensions (mm)			
			L	øD	H(WAF)	T
TW20SF	R 1/4	95	(49.5)	(26.5)	Hex.19	Rc 1/4
TW30SF	R 3/8	96	(50.5)	(26.5)	Hex.21	Rc 3/8
TW40SF	R 1/2	137	(52.5)	(26.5)	Hex.29	Rc 1/2

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