For Low Pressure

Hi Cupla Ace

Lightweight plastic coupling with automatic safety lock for air line applications









The weight is merely a quarter of steel Hi Cupla's and smooth push-in connection is achieved. **Automatic sleeve lock for safety** operation.

- Pressure ratings comparable to steel Cuplas.
- A built-in "automatic lock mechanism" locks the sleeve upon connection, thus prevents accidental disconnection.
- Just push plug into socket for simple connection.
- The weight is a quarter of steel Hi Cupla for easy handling.
- Can be used for air and water.
- Air flows in either direction from plug or from socket side when coupled.
- Plug and socket with hose guard nut are also available (see the pages of NK Cupla Hose / NK Cupla Coil Hose for details).



Specifications								
Body material			Engineering plastics (PBT, POM)					
	Thread and hose barb		1/4", 3/8" / 1/4", 3/8"					
Size	PN type, SN type (PNG type, SNG type)		For ø5 mm × ø8 mm, ø6 mm × ø9 mm, ø6.5 mm × ø10 mm, ø8 mm × ø12 mm, ø8.5 mm × ø12.5 mm polyurethane hose					
	T type		HA-T type	• Inl	nlet : 20P-PLA • Outlet : HA-65S x 2			
Working pressure MPa kgt/cm² bar PSI		1.5		1.0 for plastic plug and Model HA-T				
		15		10 for plastic plug and Model HA-T				
		15		10 for plastic plug and Model HA-T				
		218		145 for plastic plug and Model HA-T				
Seal material Working temperature range		Seal material		Mark	Working temperature range	Remarks		
		Nitrile rubber	NB	R (SG)	-20°C to +60°C	Standard material		

Tightening Torque Range Nm {kgf•cm						
Model	20/30SM 20/30PM	50/60/65SN 50/60/65PN	80/85SN 80/85PN	20PFF		
Torque	2.5 to 3.0 {26 to 31}	1.6 to 2.0 {16 to 20}	2.2 to 2.8 {22 to 29}	2.0 to 2.5 {20 to 25}		

Flow Direction						
Fluid flow can be bi-directional when socket and plug are connected.						
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Interchangeability

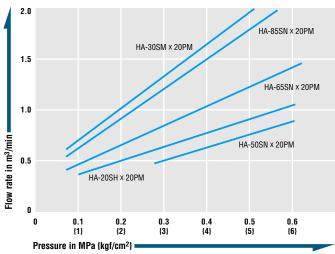
Can be connected with Hi Cupla Models 10, 17, 20, 30 and 40. Interchangeable with models of Nut Cupla Series and Hi Cupla Series except models 400, 600, and 800.

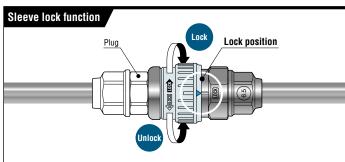
Suitability for Vacuum

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

Pressure - Flow Characteristics

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





Models and Dimensions WAF: WAF stands for width across flats

