For Low Pressure Hi Cupla Ace Lightweight plastic coupling with automatic safety lock for air line applications Working pressure Valve structure J.5 1.5 MPa (15 kgf/cm²) Valve structure Applicable Ifluid Air Water

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.
- Less likely to damage painted or easily dented surfaces than metal couplings.
- 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 • Inlet : 20P-PLA • Outlet : HA-65S × 2						
Working pressure MPa kgf/cm² bar PSI		1.5 / 1.0 for Model HA-T							
		kgf/cm ²	15 / 10 for Model HA-T						
		bar	15 / 10 for Model HA-T						
		218 / 145 for Model HA-T							
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks				
		Nitrile rubber	NBR (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 Air flows in either direction from plug or from socket side when coupled.

Interchangeability

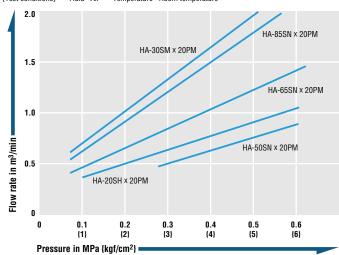
Can be connected with Hi Cupla Models 10, 17, 20, 30 and 40. Interchangeable with models of Nut Cupla Series and Hi Cupla Series except models 400, 600, and 800.

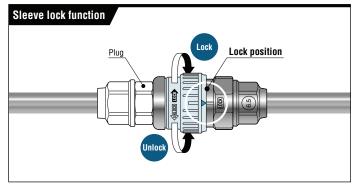
Suitability for Vacuum

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

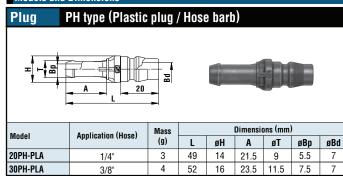
Pressure - Flow Characteristics

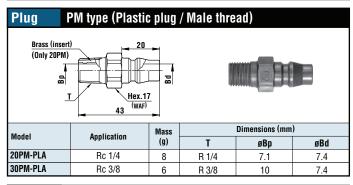
[Test conditions] •Fluid : Air •Temperature : Room temperature





Models and Dimensions WAF : WAF stands for width across flats.





Plug

PN type (Plastic plug / For urethane hose connection)

