For Low Pressure

HI CUPLA ACE







The weight is merely a quarter of steel HI CUPLA's and smooth push-in connection is achieved. Sleeve lock mechanism for safety operation.

- Pressure ratings comparable to steel CUPLA.
- A built-in "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 page 68 of NK CUPLA HOSE/NK CUPLA COIL HOSE for details).





Specif	fications						
Body material			Engineering plastics (PBT, POM)				
Thread and h		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				
Working pressure MPa		1.5	1.5 1.0 for plastic pl		or plastic plug and	g and Model HA-T	
		kgf/cm²	15		10 for plastic plug and Model HA-T		
		bar	15		10 for plastic plug and Model HA-T		
		218		145 for plastic plug and Model HA-T			
Seal material			Seal material		Mark	Working temperature range	Remarks
Working temperature range *1		Nitrile rubber	NBR		-20°C to +60°C	Standard material	

*1: The operable temperature range depends on the operating conditions.

Tightening Torque Range Nm {kgf•cm}						
Model	20/30SM 20/30PM	50/60/65SN 50/60/65PN 50/65SNG 50/65PNG	80/85SN 80/85PN 85SNG 85PNG	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 sock	et and plug are connected.
#	* HOULD ACT A

Interchangeable with HI CUPLA models 10, 17, 20, 30 and 40.
Interchangeable with each models of NUT CUPLA series and HI CUPLA series (except models 400, 600, and 800).
Please see page 21 for "HI CUPLA Series Interchangeability".

Suitability for Vacuum

Not suitable for vacuum application in either connected or disconnected condition

























