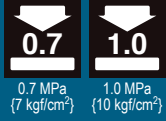


## For Low Pressure (Air)

# NK CUPLA HOSE with HI CUPLA ACE / FULL BLOW CUPLA NK CUPLA COIL HOSE with HI CUPLA ACE / FULL BLOW CUPLA

Couplings with polyurethane hose for air lines

Working pressure



Valve structure



Applicable fluid



**HI CUPLA ACE and FULL BLOW CUPLA sockets with polyurethane hoses are now standard stock items. Push-to-connect design for quick piping.**

- Sockets of HI CUPLA ACE and FULL BLOW CUPLA comes with a spring nut that prevents hose bending and urethane hose with excellent flexibility, durability and wear resistance.
- Built-in separation prevention mechanism locks the sleeve upon connection, thus prevents accidental disconnection.
- Just push the plug into the socket for simple connection.
- Spiral polyurethane coil hoses processed from straight tube have self-recoiling feature.
- A Sleeve Cover is attached to "NK CUPLA HOSE/NK CUPLA COIL HOSE with FULL BLOW CUPLA", which reduces the impact on CUPLA and improves operability.

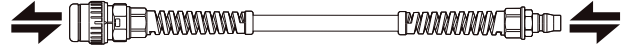
## Specifications

Name	NK CUPLA HOSE	NK CUPLA COIL HOSE	NK CUPLA HOSE	NK CUPLA COIL HOSE
CUPLA (Socket)	HI CUPLA ACE		FULL BLOW CUPLA	
Body material (Socket)	Engineering plastics (PBT, POM)		Aluminum alloy	
Body material (Plug)	Steel (Chrome plated)			
Hose Size	ø6.5×ø10	ø5×ø8	ø6.5×ø10	ø6.5×ø10
	ø8.5×ø12.5	ø6.5×ø10	ø8.5×ø12.5	
Working pressure	MPa	1.0	0.7	1.0
	kgf/cm <sup>2</sup>	10	7	10
	bar	10	7	10
	PSI	145	102	145
Seal material	Seal material		Mark	Working temperature range
Working temperature range <sup>*1</sup>	Nitrile rubber		NBR	-5°C to +60°C
				Remarks
				Standard material

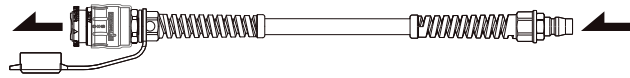
\*1: The operable temperature range depends on the operating conditions.

## Flow Direction

- With HI CUPLA ACE: Fluid flow can be bi-directional when socket and plug are connected.



- With FULL BLOW CUPLA: Fluid must run from socket side to plug side of the hose.



## Interchangeability

Interchangeable with HI CUPLA models 10, 17, 20, 30, 40 and 60.  
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.

## Models and Dimensions / Hose length

### Plug / Socket NK CUPLA HOSE with HI CUPLA ACE



Model	Hose size	Hose length	Socket		Plug	
			HI CUPLA ACE		NUT CUPLA	
NKU-605B	ø6.5 mm×ø10 mm	5 m	HA-65SNG		65PNG	
NKU-610B	ø6.5 mm×ø10 mm	10 m	HA-65SNG		65PNG	
NKU-620B	ø6.5 mm×ø10 mm	20 m	HA-65SNG		65PNG	
NKU-810B	ø8.5 mm×ø12.5 mm	10 m	HA-85SNG		85PNG	
NKU-820B	ø8.5 mm×ø12.5 mm	20 m	HA-85SNG		85PNG	

### Plug / Socket NK CUPLA HOSE with FULL BLOW CUPLA



Model	Hose size	Hose length	Socket		Plug	
			FULL BLOW CUPLA		NUT CUPLA	
NKU-605P	ø6.5 mm×ø10 mm	5 m	FBH-65SNG		65PNG	
NKU-610P	ø6.5 mm×ø10 mm	10 m	FBH-65SNG		65PNG	
NKU-810P	ø8.5 mm×ø12.5 mm	10 m	FBH-85SNG		85PNG	

### Plug / Socket NK CUPLA COIL HOSE with HI CUPLA ACE



Model	Hose size	Maximum extensible length	Socket		Plug	
			HI CUPLA ACE		NUT CUPLA	
NKC-503B	ø5 mm×ø8 mm	2 m	HA-50SNG		50PNG	
NKC-505B	ø5 mm×ø8 mm	4 m	HA-50SNG		50PNG	
NKC-603B	ø6.5 mm×ø10 mm	2 m	HA-65SNG		65PNG	
NKC-605B	ø6.5 mm×ø10 mm	4 m	HA-65SNG		65PNG	

### Plug / Socket NK CUPLA HOSE with FULL BLOW CUPLA



Model	Hose size	Hose length	Socket		Plug	
			FULL BLOW CUPLA		NUT CUPLA	
NKC-603P	ø6.5 mm×ø10 mm	2 m	FBH-65SNG		65PNG	
NKC-605P	ø6.5 mm×ø10 mm	4 m	FBH-65SNG		65PNG	