

For Air

Lock Cupla 200

Air line coupling with sleeve safety lock feature

Working pressure 1.0
1.0 MPa (10 kgf/cm²)

Valve structure One-way shut-off

Applicable fluid Air

Push-to-connect operation. Added easy lock design for safety!



- Locking design prevents unexpected detachment after connection. Good for connections between hoses.
- Simple one push of plug and socket to each other for connection. Easy handling improves job efficiency.
- Ball bearing swivel mechanism prevents hose twists and relieves load on holding hands (SNRG type).
- To mount on hose, simply slide it over the nipple and tighten the nut (SNRG type).
- Hose guard nut to prevent hose from kinking as a standard feature (SNRG type).
- Low pressure loss valve design gives improved flow rate.

Application example

Applicable fluid	Application
Air	Pneumatic tools, Pneumatic devices, Various air piping

Specifications

Body material	Steel (Chrome-plated)			
Size	1/4" (20 type) • 3/8" (30 type) • 1/2" (40 type) For ø6.5 mm x ø10mm • ø8.5mm x ø12.5mm polyurethane hose			
Working pressure MPa (kgf/cm ²)	1.0 (10)			
Pressure resistance MPa (kgf/cm ²)	1.5 (15)			
Seal material	Seal material	Mark	Working temperature range	Remarks
	Nitrile rubber	NBR (SG)	-5°C~+60°C	Standard material

Max. Tightening Torque, Tightening Torque Range N·m (kgf·cm)

Type of connection	Thread			Hose guard nut	
Applicable size	1/4"	3/8"	1/2"	ø6.5 mm x ø10mm	ø8.5 mm x ø12.5mm
Torque	14 {143}	22 {224}	60 {612}	5~6 {51~61}	7~8 {71~82}

Flow Direction

Fluid must run from socket to plug.



Interchangeability

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

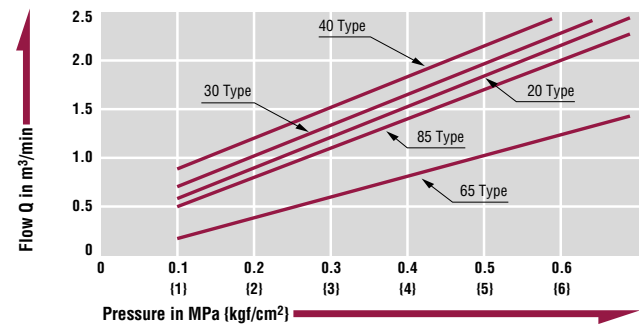
Suitability for Vacuum

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

Min. Cross-sectional Area (mm ²)	Plug									
	20PH	30PH	40PH	20PM	30PM	40PM	20PF	30PF	40PF	
Lock Cupla 200										
L200-20SH	20	20	20	20	20	20	20	20	20	20
L200-30SH	20	41	41	41	41	41	41	41	41	41
L200-40SH	20	41	41	41	41	41	41	41	41	41
L200-20SM	20	41	41	41	41	41	41	41	41	41
L200-30SM	20	41	41	41	41	41	41	41	41	41
L200-40SM	20	41	41	41	41	41	41	41	41	41
L200-20SF	20	41	41	41	41	41	41	41	41	41
L200-30SF	20	41	41	41	41	41	41	41	41	41
L200-40SF	20	41	41	41	41	41	41	41	41	41
L200-65SNRG	20	20	20	20	20	20	20	20	20	20
L200-85SNRG	38	38	38	38	38	38	38	38	38	38

Pressure - Flow Characteristics

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



Models and Dimensions

WAF : WAF stands for width across flats.

Socket SH type (Hose barb)

Model	Application (Hose)	Mass (g)	Dimensions (mm)			
			Ls	A	øT	øBs
L200-20SH	1/4"	90	77	27.5	9	5
L200-30SH	3/8"	92	79	32	11.3	7.5
L200-40SH	1/2"	104	79.5	32	15	10

Socket SM type (Male thread)

Model	Application	Mass (g)	Dimensions (mm)				
			Ls	Hs(WAF)	A	T	øBs
L200-20SM	Rc 1/4	89	60	Hex.19	13	R 1/4	7.5
L200-30SM	Rc 3/8	91	60.5	Hex.19	13.5	R 3/8	10
L200-40SM	Rc 1/2	102	56	Hex.24	16	R 1/2	13

Socket SF type (Female thread)

Model	Application	Mass (g)	Dimensions (mm)			
			Ls	Hs(WAF)	A	T
L200-20SF	R 1/4	94	57.5	Hex.19	14.5	Rc 1/4
L200-30SF	R 3/8	103	55.5	Hex.22	13	Rc 3/8
L200-40SF	R 1/2	138	57.5	Hex.29	16	Rc 1/2

Socket SNRG type (For hose with hose guard nut connection)

Model	Application (Hose)	Mass (g)	Dimensions (mm)				
			Ls	A	Hs(WAF)	T(WAF)	øBs
L200-65SNRG	ø6.5 mm x ø10 mm	125	147.8	90	Hex.19	Hex.19	5.3
L200-85SNRG	ø8.5 mm x ø12.5 mm	132	146.8	90	Hex.21	Hex.22	7.5

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