



Product feature

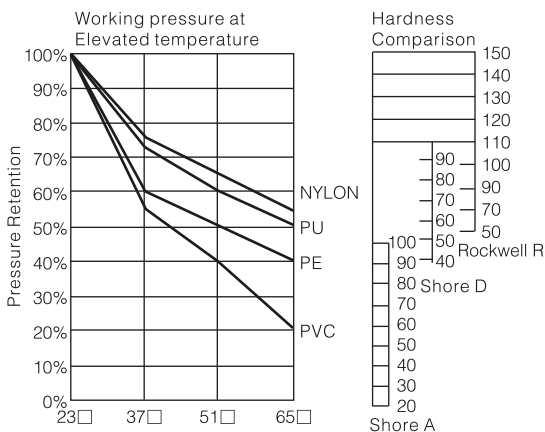
1. Plastic polyurethane material conforms to the ROHS environment protection requirement.
2. High elasticity: small bend radius enables PU tube to pass through the tight space.
3. Anti-knot: better anti-knot effect than other plastic tube.
4. Excellent flexibility: it can bear repeated expansion.
5. Anti-abrasion: long working life and suitable for the environment in which it is easy to be worn.
6. Low permeability of gas: relieve the problems of leakage and pollution.
7. Good anti-solubility: no solvent leaks, therefore it will not pollute the environment.
8. Low compression: maintain excellent physical character.
9. Wide resistance: it has certain resistance to chemicals, water, fuel, oil and bacterium.

Ordering code

UCS		080	050		BU		090M		A		1		
Model			Tube ID		Standard color (Note)		Material length		Coupling type		Coupling form		
UCS	Ester base		040	Φ4.0mm	BU	Blue	030M	3m	A	One end is 30cm and the other end is 10 cm	1	Without coupling	
Tube OD			050	Φ5.0mm	BK	Black	060M	6m		B	Both of the tubes of the couplings are 10cm	2	With female-male coupling
			055	Φ5.5mm	GE	Orange	090M	9m			C	Both of the tubes of the couplings are 0cm	3
			065	Φ6.5mm	CR	Clear	120M	12m					
			080	Φ8.0mm	WH	White	150M	15m					
			CB	Clear Blue									
			R	Red									
			Y	Yellow									

Note: Blue, black, orange and clear are standard colors. Individual orders shall be placed for other colors.

Technical chart



Specification (Standard pressure type)

Type (Note 1)	Tube OD (mm)	Tube ID (mm)	Working pressure at 23°C (MPa) (Note 2)	Burst pressure at 23°C (MPa)	Bend radius (mm)	Length (m) (Note 3)	Temp. (°C)
UCS060040□030□□	6.0	4.0	1.0	3.0	38	3	-20 ~ 70
UCS060040□060□□	6.0	4.0	1.0	3.0	38	6	
UCS060040□090□□	6.0	4.0	1.0	3.0	38	9	
UCS060040□120□□	6.0	4.0	1.0	3.0	38	12	
UCS060040□150□□	6.0	4.0	1.0	3.0	38	15	
UCS080050□060□□	8.0	5.0	1.0	3.0	38	6	
UCS080050□090□□	8.0	5.0	1.0	3.0	38	9	
UCS080050□120□□	8.0	5.0	1.0	3.0	38	12	
UCS080050□150□□	8.0	5.0	1.0	3.0	38	15	
UCS100065□060□□	10.0	6.5	1.0	3.0	50	6	
UCS100065□090□□	10.0	6.5	1.0	3.0	50	9	
UCS100065□120□□	10.0	6.5	1.0	3.0	50	12	
UCS100065□150□□	10.0	6.5	1.0	3.0	50	15	
UCS120080□060□□	12.0	8.0	1.0	3.0	60	6	
UCS120080□090□□	12.0	8.0	1.0	3.0	60	9	
UCS120080□120□□	12.0	8.0	1.0	3.0	60	12	
UCS120080□150□□	12.0	8.0	1.0	3.0	60	15	

Specification (Lower pressure type)

Type (Note 1)	Tube OD (mm)	Tube ID (mm)	Working pressure at 23°C (MPa) (Note 2)	Burst pressure at 23°C (MPa)	Bend radius (mm)	Length (m) (Note 3)	Temp. (°C)
UCS080055□060□□	8.0	5.5	0.8	2.0	38	6	-20 ~ 70
UCS080055□090□□	8.0	5.5	0.8	2.0	38	9	
UCS080055□120□□	8.0	5.5	0.8	2.0	38	12	
UCS080055□150□□	8.0	5.5	0.8	2.0	38	15	

Note 1: "□" in the type column is for "color", and "□□" is for "coupling type" and "coupling mode". Blue, black, orange and clear are standard colors.

Individual orders shall be placed for other colors;

2: Working pressure: 3 to 1 safety factor; Note 3: Material length: length of operating status=(0.8~0.9) × Material length.

Pipe end coupling

Male quick coupling PP40Φ12×Φ8	Female quick coupling SP40Φ12×Φ8	Male quick coupling PP30Φ10×Φ6.5	Female quick coupling SP30Φ10×Φ6.5	Male quick coupling PP20Φ8×Φ5	Female quick coupling SP20Φ8×Φ5	Male quick coupling PP10Φ6×Φ4	Female quick coupling SP10Φ6×Φ4
PP40/SP40-PU tube (12×8) quick coupling use		PP30/SP30-PU tube (10×6.5) quick coupling use		PP20/SP20-PU tube (8×5) quick coupling use		PP10/SP10-PU tube (6×4) quick coupling use	

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

Air Gun

Tracheal
Scissors

Silencers