

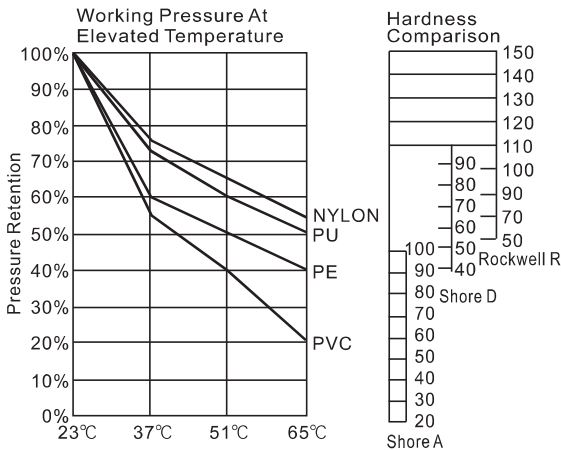
UCS Series



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.

Technical chart



Specification (Standard pressure type)

| Type [Note1] | Tube OD (mm) | Tube ID (mm) | Working Pressure at 23°C (MPa) [Note2] | Burst pressure at 23°C (MPa) | Bend radius (mm) | Length (m) [Note3] | Temp. (°C) |
|-----------------|--------------|--------------|--|------------------------------|------------------|--------------------|------------|
| UCS080050□060□□ | 8.0 | 5.0 | 1.0 | 3.0 | 38 | 6 | -20~70 |
| 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 [Note1] | Tube OD (mm) | Tube ID (mm) | Working Pressure at 23°C (MPa) [Note2] | Burst pressure at 23°C (MPa) | Bend radius (mm) | Length (m) [Note3] | 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 | |

[Note1] "□" 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.

[Note2] Working pressure: 3 to 1 safety factor.

[Note3] Material length: length of operating status=(0.8~0.9)xMaterial length.

Ordering code

UCS 080 050 BU 090M A 1



| ① Model | ② Tube OD | ③ Tube ID | ④ Standard color [Note1] | ⑤ Material length | ⑥ Coupling type | ⑦ Coupling form |
|-----------------|---|--|--|--|---|---|
| UCS: Ester Base | 080: Φ8.0mm 100: Φ10.0mm 120: Φ12.0mm | 050: Φ5.0mm 055: Φ5.5mm 065: Φ6.5mm 080: Φ8.0mm | BU: Blue BK: Black GE: Orange CR: Clear WH: White CB: Clear Blue R: Red Y: Yellow | 060M: 6m 090M: 9m 120M: 12m 150M: 15m | A: one end is 30cm and the other end is 10cm B: Both of the tubes of the couplings are 10cm C: Both of the tubes of the couplings are 0cm | 1: Without coupling 2: With female-male coupling 3: With male-male coupling |

[Note1] Blue, black, orange and clear are standard colors. Individual orders shall be placed for other colors.

Pipe end coupling

| Male quick coupling PP40 Φ12 × Φ8 | Female quick coupling SP40 Φ12 × Φ8 | Male quick coupling PP30 Φ10 × Φ6.5 | Female quick coupling SP30 Φ10 × Φ6.5 | Male quick coupling PP20 Φ8 × Φ5 | Female quick coupling SP20 Φ8 × Φ5 |
|---|--|---|--|--|---------------------------------------|
| | | | | | |
| 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 | |