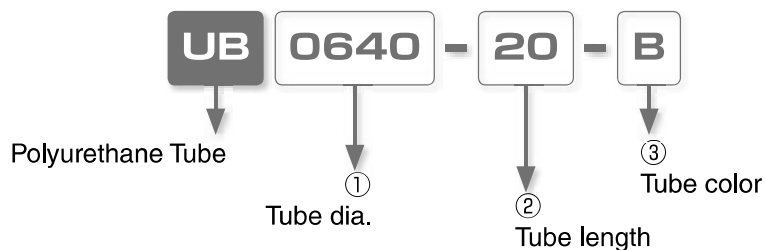


Model Designation (Example)



① Tube dia. (O.D. x I.D.)

mm size

| Code | 01810 | 0320 | 0425(5/32) | 0640 | 0850(5/16) | 1065 | 1280 | 1611(5/8) |
|-----------|-------|------|------------|------|------------|------|------|-----------|
| O.D. (mm) | ø1.8 | ø3 | ø4 | ø6 | ø8 | ø10 | ø12 | ø16 |
| I.D. (mm) | ø1 | ø2 | ø2.5 | ø4 | ø5 | ø6.5 | ø8 | ø11 |

inch size

| Code | 1/8 | 3/16 | 1/4 | 3/8 | 1/2 |
|-----------|-------|-------|-------|-------|-------|
| O.D. (mm) | ø3.18 | ø4.76 | ø6.35 | ø9.53 | ø12.7 |
| I.D. (mm) | ø2 | ø2.99 | ø4.15 | ø5.99 | ø8.5 |

② Tube length

| Code | 20 | 50 | 100 |
|-----------|----|----|-----|
| Length(m) | 20 | 50 | 100 |

※ 50m is available for Tube dia. of mm size only.

※ UB1810 and UB1611 are available only with 20m length.

③ Tube color

| Code | B | R | O | YB | Y | G | Bu | CB | C | W |
|-------|-------|-----|--------|-------|--------|-------|------|------------|-------------|-------------|
| Color | Black | Red | Orange | Ocher | Yellow | Green | Blue | Clear blue | Transparent | Milky white |

※ Standard color for inch size 1/8, 3/16, 1/4, 3/8 and 1/2 are only Black and Orange.

※ Only Black color is available for 50meters length Tube.

Make-to-order product

Tube diameter / Length list

| Model code | | Reel (m/reel) | Bundle (small) (m/bundle) | Bundle (large) ※ 2 (m/bundle) |
|------------|----------------|------------------|------------------------------|----------------------------------|
| mm size | inch size | | | |
| UB0320 | UB1/8 | 300 | 300 | — |
| UB0425 | UB5/32, UB3/16 | 300 | 300 | — |
| UB0640 | UB1/4 | 300 | 300 | — |
| UB0850 | UB5/16 | 200 | 200 | 500 |
| UB1065 | UB3/8 | 150 | 150 | 300 |
| UB1280 | UB1/2 | 100 | 100 | 200 |
| UB1611 | UB5/8 | 50 | 50 | 100 |

※ 1. MOQ of make-to-order tube is 500m.

※ 2. Bundle (large) is packed on a pallet. Contact the nearest sales office for the freight charge.

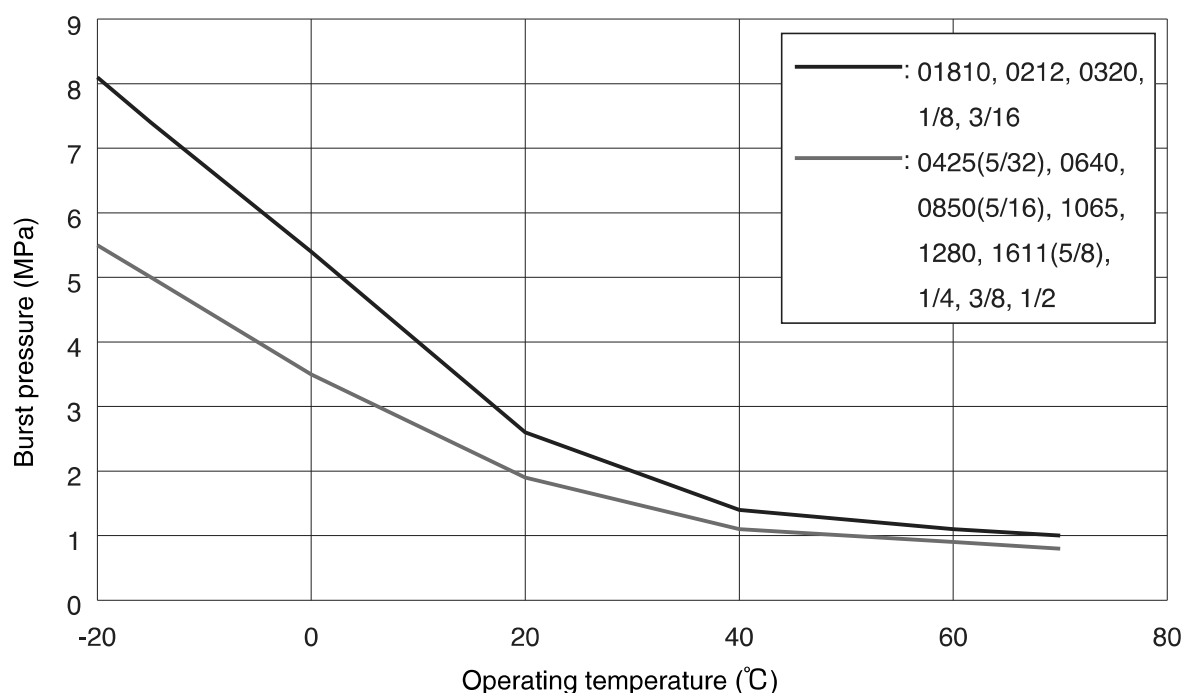
Specification

| | |
|---|--|
| Fluid medium | Air / Water (※ 1-3) |
| Max. operating pressure (at 20°C 65%RH) | 1.0MPa (※ 4) |
| Max. vacuum | -100kPa |
| Operating temp. range | Air : -20~70°C (No freezing) Water : -15~60°C (No freezing) |

⚠ Warning

- ※ 1. Surge pressure must be controlled lower than max. operating pressure when using water as a fluid medium.
- ※ 2. Tap water can be used. Consult with PISCO for using other kind of water.
- ※ 3. Be sure to place Insert Ring into the tube edge when Polyurethane Tube is inserted into Push-In Fittings with water as a fluid medium.
- ※ 4. The value of max. operating pressure is measured at 20°C and 65%RH. When Tubes are used in different conditions, consider a safety ratio of the pressure with an enough margin, referring to Burst Pressure Curve. When Tubes are frequently swung and bent, there is a possibility of generating heat between molecules, and damaging the products.

Burst Pressure Curve (Reference value)



⚠ Detailed Safety Instructions

Before using PISCO products, be sure to read "Safety Instructions" and "Safety Instruction Manual" and "Common Safety Instructions for Tubes"

UB

Polyurethane Tube

RoHS compliant



| Model code | Tube O.D. (ømm) | Tube I.D. (ømm) | Tube length (m) | Min. Bending Radius (mm) | Min. Installation Radius (mm) | Weight (g/m) | B Black | R Red | O Orange | YB Ocher | Y Yellow | G Green | Bu Blue | CB Clear blue | C Transparent | W Milky white |
|------------------|--------------------|--------------------|--------------------|--------------------------------|-------------------------------------|-----------------|------------|----------|-------------|-------------|-------------|------------|------------|---------------------|------------------|---------------------|
| UB01810-□-□ | 1.8 | 1 | 20 | 4 | 6 | 2 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| UB0320-□-□ | 3 | 2 | 20·50·100 | 8 | 12 | 7 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| UB0425(5/32)-□-□ | 4 | 2.5 | 20·50·100 | 10 | 15 | 9 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| UB0640-□-□ | 6 | 4 | 20·50·100 | 15 | 23 | 19 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| UB0850(5/16)-□-□ | 8 | 5 | 20·50·100 | 15 | 23 | 36 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| UB1065-□-□ | 10 | 6.5 | 20·50·100 | 20 | 30 | 54 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| UB1280-□-□ | 12 | 8 | 20·50·100 | 30 | 45 | 74 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| UB1611(5/8)-□-□ | 16 | 11 | 20 | 60 | 90 | 128 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| UB1/8-□-□ | 3.18 | 2 | 20·100 | 8 | 12 | 7 | ○ | - | ○ | - | - | - | - | - | - | - |
| UB3/16-□-□ | 4.76 | 2.99 | 20·100 | 15 | 23 | 13 | ○ | - | ○ | - | - | - | - | - | - | - |
| UB1/4-□-□ | 6.35 | 4.15 | 20·100 | 15 | 23 | 22 | ○ | - | ○ | - | - | - | - | - | - | - |
| UB3/8-□-□ | 9.53 | 5.99 | 20·100 | 20 | 30 | 53 | ○ | - | ○ | - | - | - | - | - | - | - |
| UB1/2-□-□ | 12.7 | 8.5 | 20·100 | 30 | 45 | 85 | ○ | - | ○ | - | - | - | - | - | - | - |

- ※ . Left □ in model code : Replaced with Tube length
- ※ . Right □ in model code : Replaced with Tube color code
- ※ . Only Black color is available for 50meters length Tube.