

# Fluororesin (FEP) Tube

## Characteristics

- Superior chemical resistance makes Fluororesin Tube best suited for chemical, food-processing, medical care and semiconductor applications.
- Achieved 44% cost reduction compared with Pisco SFT Tube series.
- Extensive service temperature range.

## Specifications

Model	SET0420	SET0425	SET0640	SET0860	SET1075	SET1080	SET1290	SET1210	SET1613	SET1/4	SET3/8	SET1/2
O.D.×I.D. (mm)	4×2	4×2.5	6×4	8×6	10×7.5	10×8	12×9	12×10	16×13	6.35×4.57	9.53×6.99	12.7×9.56
Tube length (m)	5 • 20 • 50 • 100								5 • 20 • 50	5 • 20 • 50 • 100		
Tube color	Black (B) ○: available Transparent (C) ○											
Fluid medium	Air, water (*1, *2, *3), chemicals, etc (*4)											
Max. operating pressure (*5)	392psi (2.7MPa)	232psi (1.6MPa)	145psi (1.0MPa)	102psi (0.7MPa)	145psi (1.0MPa)	102psi (0.7MPa)	102psi (0.7MPa)	145psi (1.0MPa)	102psi (0.7MPa)	145psi (1.0MPa)	102psi (0.7MPa)	145psi (1.0MPa)
Max. vacuum	-29.5in. Hg (-100kPa)											
Operating temp. range	-85 ~ 392°F (-65 ~ 200°C) (no freezing)											
Min. bending Radius (JIS) (mm)	7	14	27	40	50	47	67	94	14	40	47	47

\*1. Surge pressure must be controlled lower than max. operating pressure when using water or liquid as a fluid medium.  
 \*2. Be sure to place Insert Ring into the tube edge when Fluororesin (FEP) Tube is inserted into Push-In Fittings with water or liquid as a fluid medium.  
 \*3. Tap water can be used. Consult with PISCO for using other kind of water.  
 \*4. Contact us when chemicals are used as a fluid medium.  
 \*5. 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.

## Model Designation (Example)



- (1) Fluororesin (FEP) Tube  
 (2) Tube dia. (O.D./I.D.)

Code	mm size								inch size			
	0420	0425	0640	0860	1075	1080	1290	1210	1613	1/4	3/8	1/2
O.D.	ø4mm (ø0.16in.)	ø4mm (ø0.16in.)	ø6mm (ø0.24in.)	ø8mm (ø0.31in.)	ø10mm (ø0.39in.)	ø10mm (ø0.39in.)	ø12mm (ø0.47in.)	ø12mm (ø0.47in.)	ø16mm (ø0.63in.)	ø6.35mm (ø0.25in.)	ø9.53mm (ø0.38in.)	ø12.7mm (ø0.50in.)
I.D.	ø2mm (ø0.08in.)	ø2.5mm (ø0.10in.)	ø4mm (ø0.16in.)	ø6mm (ø0.24in.)	ø7.5mm (ø0.30in.)	ø8mm (ø0.31in.)	ø9mm (ø0.35in.)	ø10mm (ø0.39in.)	ø13mm (ø0.51in.)	ø4.57mm (ø0.18in.)	ø6.99mm (ø0.28in.)	ø9.56mm (ø0.38in.)

### (3) Tube length

Code	5	20	50	100
Length	5m (16.4ft.)	20m (65.6ft.)	50m (164ft.)	100m (328ft.)

### (4) Tube color

- B:** Black  
**C:** Transparent



The products listed in this page are ECO-friendly products.  
 \* Please refer to page 4 for the details of ECO-friendly products.

SET Fluororesin (FEP) Tube	Model code	
	mm	inch
	SET0420-(3)-(4)	SET1/4-(3)-(4)
	SET0425-(3)-(4)	SET3/8-(3)-(4)
	SET0640-(3)-(4)	SET1/2-(3)-(4)
	SET0860-(3)-(4)	
	SET1075-(3)-(4)	
	SET1080-(3)-(4)	
	SET1290-(3)-(4)	
	SET1210-(3)-(4)	
	SET1613-(3)-(4)	

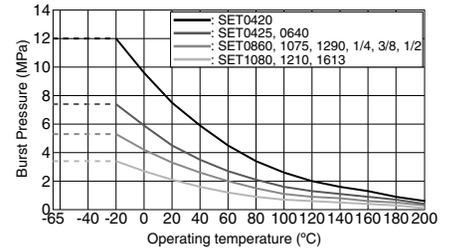


Caution  
 \* (3) : Replaced with Tube length.  
 \* (4) : Replaced with Tube color code.



Package specifications  
 5M lengths /bag: Applicable to all types  
 20M lengths /bag: Applicable to all types  
 50M lengths/bag: All types  
 100M lengths/ box: All types except SET1613

## Burst Pressure Curve (Reference Value)



## Detailed Safety Instructions

Before using the PISCO products, be sure to read the "Safety Instructions", "Common Safety Instructions for Products in This Catalog" on page 13 to 16 and "Common Safety Instructions for Tubes" on page 66.