

Fluoropolymer (FEP) Tube

Straight Tube with Chemical and Heat Resistance

⚠ Safety instructions for this product
Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Tube

Model Designation (Example)



(1) Fluoropolymer (FEP) Tube

(2) Tube dia. (O.D. x I.D.)

*Figures in () in the row Code represent the O.D. of the tube in inches.

Code	mm size (mm)								inch size (inch)			
	0420(5/32)	0425(5/32)	0640	0860(5/16)	1075	1080	1290	1210	1613(5/8)	1/4	3/8	1/2
O.D.	ø4	ø4	ø6	ø8	ø10	ø10	ø12	ø12	ø16	ø1/4	ø3/8	ø1/2
I.D.	ø2	ø2.5	ø4	ø6	ø7.5	ø8	ø9	ø10	ø13	ø0.18	ø0.28	ø0.38

(3) Tube length

Code	5	20	50	100
Length (m)	5	20	50	100

*100 m length is not available for SET1613.

(4) Tube color

Code	B	C	CR	CY	CB
Tube color	Black	Transparent	Clear red	Clear yellow	Clear blue

*Only Transparent and Black colors are available for inch size.

(5) Packaging spec. (Optional)

Code	No code	-C
Packaging	Standard packaging	Clean-room package

*Clean room packaging is not available for SET1613 or tube lengths longer than 50 m.

Characteristics

- A choice of five colors for pipe identification
- Achieved average 44% cost cut compared with PISCO SFT Tube series.
- Excellent chemical and weather resistance. Ideal for use in chemical, medical, and semi-conductor industries
- Japan Food Sanitation Act compliant. (Transparent only.) *Refer to page 6 for details.
- Extensive operating temperature range.
- Inch size models, perfect to be used with the inch-sized SUS316 Compression Fitting, are available.

Clean-room package (Optional)

Suitable for clean environment.

Cleaned and packaged in cleanroom ISO class 6 equivalent. Packaged in antistatic packaging material that prevents dust from sticking.

Specifications

Model code	mm size (mm)								inch size (inch)			
	SET0420 (5/32")	SET0425 (5/32")	SET0640	SET0860 (5/16")	SET1075	SET1080	SET1290	SET1210	SET1613 (5/8")	SET1/4	SET3/8	SET1/2
O.D. x I.D.	4×2	4×2.5	6×4	8×6	10×7.5	10×8	12×9	12×10	16×13	1/4x0.18	3/8x0.28	1/2x0.38
Tube length (m)	5 · 20 · 50 · 100								5 · 20 · 50			
Tube color: 5 colors	Black (B), Transparent (C), Clear red (CR), Clear yellow (CY), Clear blue (CB)									Black (B), Transparent (C)		
Fluid medium	Air, Water (Conditional *1), Other chemicals (Conditional *1)											
Max. operating pressure (MPa) (*2)	2.7	1.6	1	0.7	1	0.7	1	0.7	1	1		
Max. vacuum (kPa)	-100											
Operating temp. range (°C)	-65 to 200 (No freezing)											
Min. bending radius (JIS) (mm)	7	14	27	40	50	47	67	94	14	40	47	
Min. installation radius (Vice) (mm)	10	20	30	55	60	100	80	150	180	30	60	85

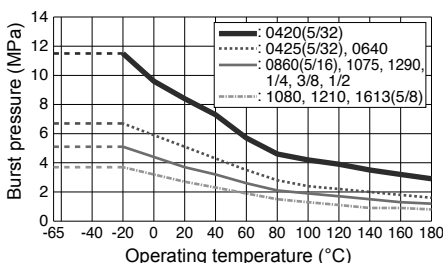
⚠ Warning

- The following conditions must be observed when the fluid medium is water or liquid.
 - When using water or liquid, the surge pressure must be kept below the maximum operating pressure.
 - General tap water in Japan, free from foreign substances or contamination, can be used. Carry out the evaluation under an actual operating condition for using other kind of water.
 - Be sure to place Insert Ring (WR) into the tube edge when tube is inserted into push-in fittings and using water as a fluid medium.
 - As for chemicals, mixed gas, etc., they may vary depending on the conditions of use, so please check the compatibility of our specifications before use.
- The value of max. operating pressure is measured at 20°C and 65% RH. For other temperatures, the Burst Pressure Curve should be used with a sufficient safety margin.

RoHS2 (2011/65/EU+EU2015/863) compliant

Tube type	Model Code
Fluoropolymer (FEP) Tube SET	SET0420- 3 - 4 5
	SET0425- 3 - 4 5
	SET0640- 3 - 4 5
	SET0860- 3 - 4 5
	SET1075- 3 - 4 5
	SET1080- 3 - 4 5
	SET1290- 3 - 4 5
	SET1210- 3 - 4 5
	SET1613- 3 - 4
	SET ^{1/4} - 3 - 4 5
	SET ^{3/8} - 3 - 4 5
SET ^{1/2} - 3 - 4 5	

Burst Pressure Curve (Reference Value)



Notes

*For **3** in model code, please select a code of tube length, for **4**, please select a tube color code.



Packaging specifications

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



Option

5 : -C ⇒ Clean-room package