

# Conductive (Antistatic) Tube Cover

Mounting on a resin tube prevents fire accidents caused by static electricity



## ■ Features

### ■ Electrostatic shield effect

If this tube cover is mounted on a resin tube, the electrostatic shield effect prevents fire accidents caused by spark discharge.

### ■ Visibility

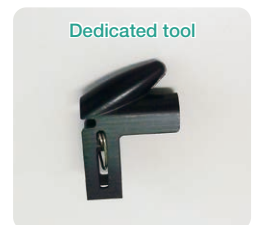
This tube cover is based on our original design to make the fluid inside the resin tube easily visible.

### ■ Easy to handle

This tube cover can be mounted quickly using a dedicated tool. After tube installation work is complete, this tube cover can be mounted easily.

## ■ Cost

Conductive polypropylene (PP) resin is adopted to lower cost.



### Specifications

- ▶ Operating temperature range (Tube surface temperature): Room temperature to 85°C
- ▶ Material: Polypropylene (conductive)
- ▶ Applicable tube sizes:  $\phi 6$  to  $\phi 25$  mm, 1/4" to 1"

### Product properties

- ▶ Volume resistivity:  $5.0 \times 10^2 \Omega \cdot \text{cm}$
- ▶ Amount of surface charge potential (Measurement distance: 1 m): 0.11 to 1.14 kV

\* The characteristic values of this product are measured values, not guaranteed values.

## ■ Precautions

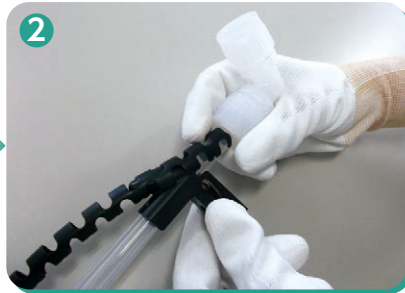
- When using this product, be sure to ground it.
- This product is designed to prevent static electricity on the surfaces of PFA tubes and the preventive effect of triboelectric charging cannot be expected between the inner surface of the tube and the fluid.
- This product is designed in accordance with technical recommendations "Recommendations for Requirements for Avoiding Electrostatic Hazards in Industry 2007 (TR-No.42)" of the National Institute of Occupational Safety and Health, Japan (JNIOOSH). However, before using this product, please conduct detailed investigations according to your operating conditions.
- When installing this product, make sure that both the ambient temperature and product temperature are within the room temperature range.

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## Installation procedure



1 Attach the dedicated tool onto the PFA tube.



2 Mount the tube cover on the tip of the dedicated tool.



3 Slide the dedicated tool along the tube.

## Size table

Applicable PFA tubes Millimeter size

O.D.×I.D. mm	Product model	Dedicated tool model	Unit of sale
6×4	CTC-05	CTC-05-TOOL-A	20 m
8×6	CTC-05	CTC-05-TOOL-A	20 m
10×8	CTC-08	CTC-08-TOOL-A	20 m
12×10	CTC-08	CTC-08-TOOL-A	20 m
19×15.8	CTC-20	CTC-20-TOOL-A	20 m
25×22	CTC-20	CTC-20-TOOL-A	20 m

Applicable PFA tubes Inch size

O.D.×I.D. inch (mm)	Product model	Dedicated tool model	Unit of sale
1/4"×5/32" (6.35×3.95)	CTC-05	CTC-05-TOOL-A	20 m
1/4"×0.171" (6.35×4.35)	CTC-05	CTC-05-TOOL-A	20 m
3/8"×1/4" (9.53×6.33)	CTC-08	CTC-08-TOOL-A	20 m
3/8"×0.296" (9.53×7.53)	CTC-08	CTC-08-TOOL-A	20 m
1/2"×3/8" (12.7×9.5)	CTC-08	CTC-08-TOOL-A	20 m
3/4"×5/8" (19×15.8)	CTC-20	CTC-20-TOOL-A	20 m
1"×7/8" (25.4×22.2)	CTC-20	CTC-20-TOOL-A	20 m

## Warranty rules

- The warranty period of this product shall be one year from the date of delivery. However, this warranty shall not apply if materials deteriorate due to an atmosphere containing liquid chemicals, adhesion of liquid chemicals, ultraviolet rays, or the like.
- If this product becomes damaged during the above period even though the product has been used normally, an alternative product shall be delivered. However, if we do not recognize that the damage is our responsibility, the alternative product shall be chargeable.
- Any of the following cases shall be outside the scope of our warranty even during the warranty period:
  - (1) If nonconformity occurs due to any use that does not conform to the specifications or handling conditions
  - (2) If nonconformity occurs due to other connected devices or parts, or other external factors
  - (3) If nonconformity is ascribed to remodeling or the user's responsibility
  - (4) If nonconformity occurs due to man-made disasters such as fire, or natural disasters
- We shall not compensate any damage to other devices caused by damage to this product, as well as process stoppages or personal injuries.

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**Safety precaution**

- When using this product, please use correctly and pay sufficient attention to safety.

\* Please understand that this catalog may change without prior notice.  
\* The values shown on this catalog are reference values, not guaranteed values.

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