

Detector Tube Ventilation Smoke Tube (low corrosive)

Part No. (US): D5019708/709

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1. Application

These tubes can be used to qualitatively assess leak detection around doors and windows, for testing the performance of ventilation systems in buildings, checking laminar flow of fume hoods and simple assessment of wind direction.

2. Operation

Remove the plastic tube and aspirator bulb from the box.

- Break both glass ampoules inside the plastic tube as shown in Fig. 1.

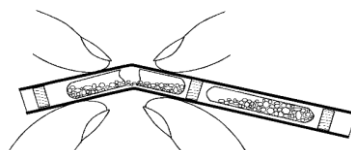


Fig.1

Connect the tube and aspirator bulb as shown in Fig. 2. The ampoule containing white granulate has to be next to the bulb.



Fig. 2

- Squeezing the rubber aspirator bulb will push air through the plastic tube and create smoke.
- Tubes can be used as long as visible smoke is evolved from the tube.
- At temperatures below 4 °C (<40 °F) it is recommended to warm the tube (e.g. by gripping the tube while compressing the bulb)

The automatic tube pump, Toximeter-II (Part No. D5142705) can also be used for generating smoke by pushing air through the tube, when used with an adapter (Part No. D5142707) and a rubber tube.

3. Chemical Reaction and Colour Change

Acetic acid and Ethylene Diamine reacts in the ambient air producing the white smoke.

4. Disposal

Submerge used ventilation smoke tubes in water for a few hours to dilute the contents to acceptable disposal limits, then treat as normal waste.

5. Caution

- These tubes must not be used for mask fit testing.
- Keep tubes out of reach of unauthorized persons, especially children.

Manufactured By:

Uniphos Envirotronic Pvt. Ltd (100% EOU)

P.O. Nahuli - 396 108

Tal. Umbergaon,

Dist: Valsad, Gujarat, India

Tel. : +91(260) 2730156 / 57 / 58

Fax : +91(260) 2730160

gasdetection@uniphos-envirotronic.com

Marketing Office:

Uniphos Envirotronic Pvt. Ltd

Readymoney Terrace, 167,

Dr. Annie Besant Road, Worli,

Mumbai 400 018, India.

Tel. : +91(22) 6123 3500

Fax : +91(22) 2493 8826/+91 (22) 2497 8119

www.kwikdrawtubes.com