

# Smart CapnoLine® etCO<sub>2</sub> Sampling Lines

## The Anatomy of the Smart FilterLine®



### 0.2 micron filter

- ✓ Prevents liquids from entering into the monitor
- ✓ Prevents bacterial contamination

### Dual nare sampling

Ensures proper sampling from either nare

### Patented Uni-junction™

Allows etCO<sub>2</sub> sampling from either the nares or the mouth.

**Tubing for O<sub>2</sub> delivery**  
May be used with or without oxygen delivery

- ✓ O<sub>2</sub> delivery from holes in front of nasal prongs
- ✓ Up to 5 L/m

### Connector compatibility

Connects to all Microstream® enabled products

### Oral scoop

Ensures accurate sampling for mouth breathers



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## Features of the Smart FilterLine®



- ✓ One size fits all adolescents through adults
- ✓ Single patient use, Latex free
- ✓ Can be used with bi-level ventilation and CPAP

**Uni-junction™** - Patented design permits upward or downward pressure of the breath at the junction, allowing only that source of breath (with the greatest pressure) to be sampled

**Filter** - Hydrophobic filter material with a 0.2 micron pore size allows patient breath to pass through the hollow structure while preventing liquids and bacteria from entering the monitor

**Oral scoop** - Unique design optimally samples breath when the patient is mouth breathing. Increased surface area provides greater sampling accuracy in the presence of low tidal volumes.

**O<sub>2</sub> delivery** - Flows from holes in front of nasal prongs for comfort. Improves humidity of O<sub>2</sub>; Can deliver oxygen flow up to 5L/min by placing the Smart FilterLine under the mask.<sup>1</sup> With external O<sub>2</sub> delivery, i.e. CPAP, accurate etCO<sub>2</sub> monitoring is available above 5 L/min.

**Microbore tubing** - The small diameter (1.0 mm internal) of the sampling line results in a faster response time.

1. Nuccio PF, et al. Effect of mask type, oxygen concentration, and flow rate on both exhaled CO<sub>2</sub> and respiratory frequency measurement by capnograph. Respiratory Care. 2008; 53(11). p 1578.

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