



PHILIPS

Supplies

Capnography

Because every breath matters

Microstream CO₂ FilterLine sampling lines

The sooner you know about changes in a patient's ventilation status, the more you can assess respiratory depression. That's why both the American Society of Anesthesiologists (ASA) and American Heart Association (AHA) recommend that waveform capnography be used to continually observe etCO₂ during resuscitation and sedation. Why capnography? Because it provides an early indication of respiratory compromise.¹

Philips Microstream etCO₂ FilterLine sampling lines and Microstream IPI software make it easy to use capnography to quickly assess and respond to adverse respiratory events. We deliver a broad range of quality FilterLine sampling lines for monitoring both intubated and non-intubated patients in the ICU and beyond.

Key advantages

- Choose from a wide range of sampling lines for pre-hospital care, critical care, the OR, sedation and general care
- All Philips Microstream FilterLine products are designed to provide etCO₂ readings
- Reliably assess a patient's ventilatory status with Philips IntelliVue patient monitors* with built-in Microstream IPI algorithm

* Philips IntelliVue patient monitors as of Rev J.

“During moderate or deep sedation, the adequacy of ventilation shall be evaluated by continual observation of qualitative clinical signs and monitoring for the presence of exhaled carbon dioxide unless precluded or invalidated by the nature of the patient, procedure or equipment.”²

A comprehensive approach to respiratory monitoring

The American Society of Anesthesiologists (ASA) and American Heart Association (AHA) have both documented the need to continually monitor the presence of exhaled carbon dioxide for patients under deep or moderate sedation.

Philips Microstream etCO₂ FilterLines are designed to provide etCO₂ readings of the patient's breath, so you can identify respiratory distress early, monitor changes continuously, and intervene quickly to enhance patient care.

The high cost of respiratory failure

Postoperative respiratory failure is the third most common patient safety incidence in hospitals every year, affecting some 600,000 patients and costing \$1.5 billion. Respiratory failure numbers continue to rise, now occurring in 17.2 of every 1,000 patients.

Health Grades Report, 2011

Smart Capnography for improved patient care

All Philips IntelliVue monitors, as of software Rev J, incorporate the Integrated Pulmonary Index (IPI). IPI is designed to improve patient care and streamline clinical workflow. This Smart Capnography algorithm may help you recognize changes in a patient's ventilatory status early, potentially heading off respiratory depression before it happens.³

IPI combines the real-time collection and interactions of four measurements – etCO₂, respiration rate, SpO₂ and pulse rate – to provide you with a comprehensive assessment of your patient's ventilatory status. It gives you a definitive, numerical reading of changes in patient status that goes beyond the value of any single parameter.

- Provides an indication of change in the patient's condition during interventions and therapy to improve care.
- Displays a single numeric for indication of a patient's ventilatory status and trends.
- Is designed to help facilitate communication between collaborating clinicians.

“Continuous quantitative waveform capnography is recommended for confirmation and monitoring of endotracheal tube placement.”⁴

American Heart Association (AHA)

A single system for multiple care settings

Philips offers a wide range of Microstream FilterLine sampling lines for monitoring etCO₂ in both intubated and non-intubated patients in virtually every area of care. As a result, you can standardize on a single brand of sampling lines to simplify purchasing and support cost savings.

Focused on what matters most

At Philips, we're committed to providing you with a comprehensive etCO₂ monitoring solution including hardware, software, consumable supplies and clinical training. So you have the confidence and freedom to focus on what matters most: your patients.

Microstream CO₂ FilterLine products at a glance

For non-intubated patients

Designed to collect accurate etCO₂ samples from your patient's nose or mouth; breathing patterns have limited effect on the waveform.

- **Smart CapnoLine:** for use in short-duration monitoring like procedural sedation or emergency care. Available with O₂.
- **Smart CapnoLine H O₂:** for use in long-duration monitoring.
- **Smart CapnoLine Guard:** for use in upper endoscopy procedures.



Smart CapnoLine O₂
Adult, oral/nasal
989803160281



Smart CapnoLine Guard O₂
Adult, oral/nasal
989803178041



Smart CapnoLine O₂
Pediatric, oral/nasal
M2520A



Smart CapnoLine H O₂
Adult, oral/nasal
989803177951

For intubated patients

These Microstream FilterLine sets combine an etCO₂ sample line and an airway adapter in a one-piece design to simplify monitoring.

- Easy to use with neonate and adult patients.
- Patented multi-port sampling airway adapter reduces clogging.
- Long versions (4 m) offer flexibility.



FilterLine
Adult/pediatric
M1920A

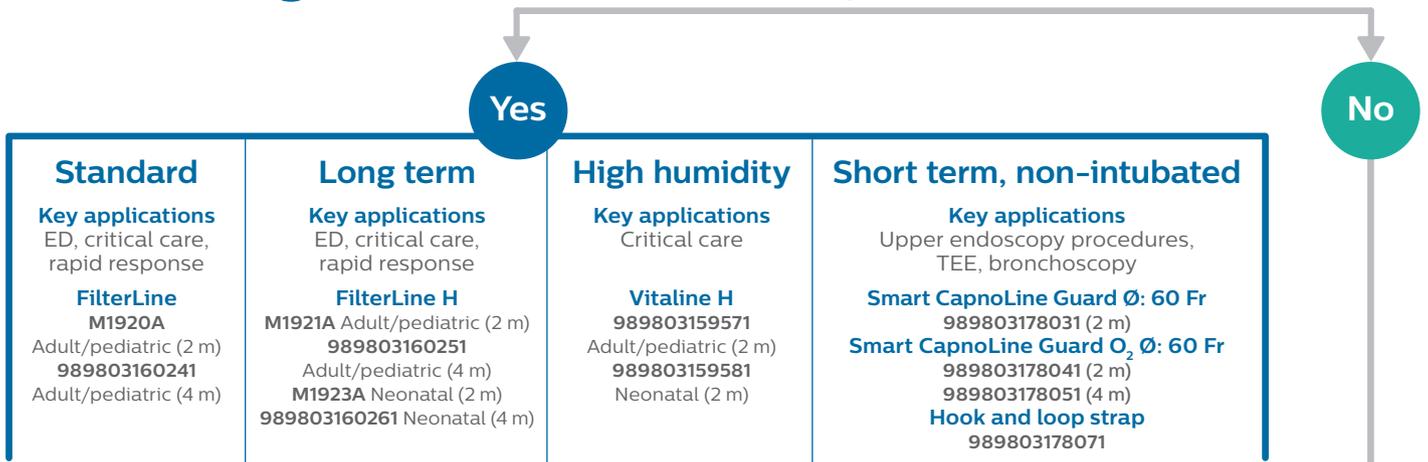


M1921A

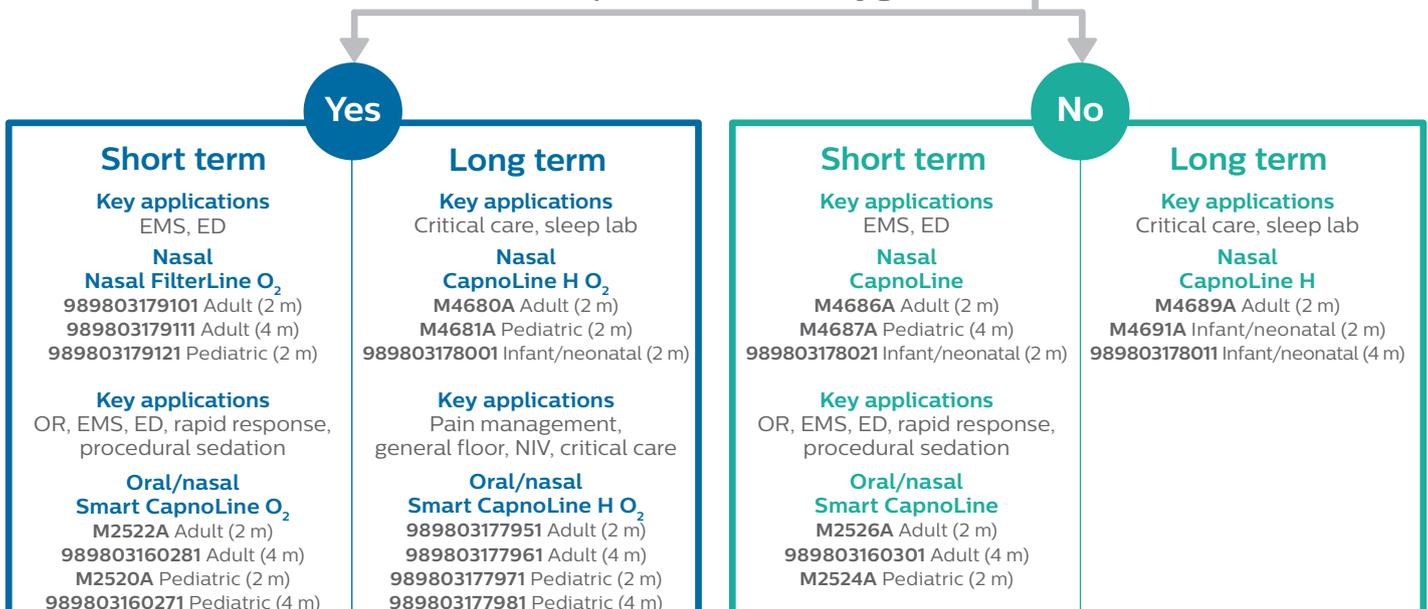
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Selection guide

Is the patient intubated?



Does the patient need oxygen?



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