Because every breath matters

Microstream® CO_2 FilterLine® sampling lines

The sooner you know about changes in a patient's ventilation status, the more you can do to prevent 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 $etCO_2$ during resuscitation and sedation. Why capnography? Because it provides the earliest indication of respiratory compromise. Philips Microstream CO_2 FilterLine sampling lines and Oridion® 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 OR and beyond. Philips Microstream FilterLine products are validated with Philips monitors and defibrillators to provide the reliable $etCO_2$ readings you need to facilitate accurate diagnosis, streamline workflow, and enhance patient care.

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 FilterLines products are designed to provide $etCO_2$ readings you can trust
- Reliably assess a patient's ventilatory status with Philips IntelliVue patient monitors* with built in Oridion IPI algorithms

* Philips IntelliVue patient monitors as of Rev J.

PHILIPS

"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."

American Society of Anesthesiologists (ASA)

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. Now Philips makes it easy to comply with ASA and AHA recommendations designed to head off respiratory failure and potentially save lives.

Philips Microstream CO_2 FilterLine sampling lines are designed to provide fast, accurate $etCO_2$ readings of every patient breath. So you can identify respiratory distress early, monitor changes continuously, and intervene quickly to enhance aptient care.

Smart Capnography™ for improved patient care

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

IPI combines the real-time measurement and interactions of four measurements – $etCO_2$, respiration rate, SpO_2, 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. IPI:

- Provides an indication of change in the patient's condition during interventions and therapy to improve care.
- Displays a simple, clear and comprehensive indication of a patient's ventilatory status and trends.
- Helps facilitate communication between collaborating clinicians.

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

"Continuous quantitative waveform capnography is now recommended for intubated patients throughout the peri-arrest period."

American Heart Association (AHA)

A single system for multiple care settings

Philips offers a wide range of Microstream FilterLine sampling lines for monitoring $etCO_2$ 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 help lower costs.

Focused on what matters most

At Philips, we're committed to providing you with a comprehensive $etCO_2$ 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.

For non-intubated patients

Smart CapnoLine O_2
Adult, oral/nasal
989803160281

Smart CapnoLine
Adult, oral/nasal
M2526A

CapnoLine O_2
Pediatric, nasal
989803179121

Smart CapnoLine H O_2
Adult, oral/nasal
989803177951

For intubated patients

FilterLine
Adult/pediatric
M1920A

FilterLine
Adult/pediatric
M1921A

Microstream CO_2 FilterLine products at a glance

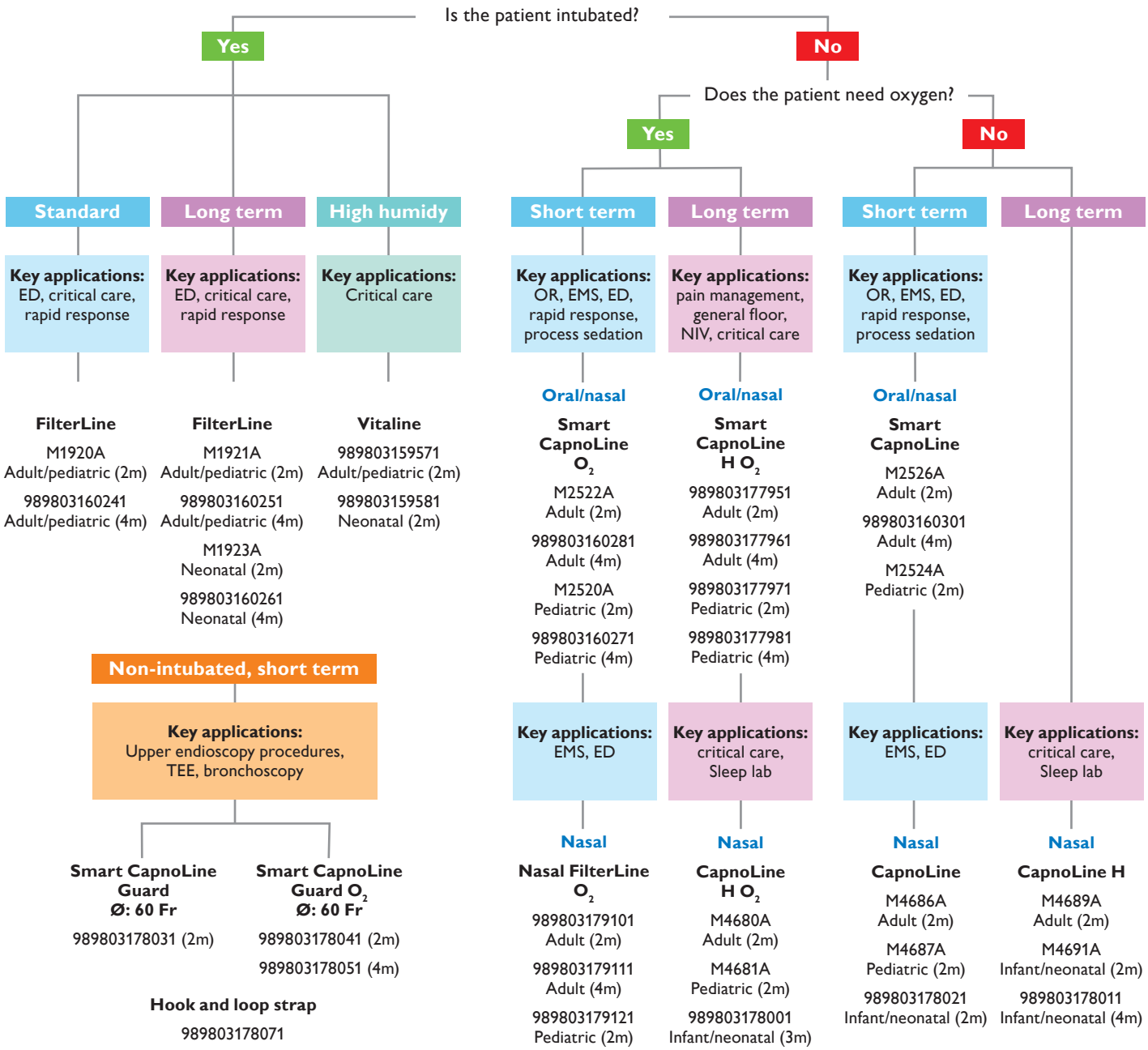
For non-intubated patients:
Designed to collect accurate $etCO_2$ samples from your patient's nose or mouth. The waveform is not affected by breathing patterns.

- Smart CapnoLine: for use in short duration monitoring like procedural sedation or emergency care. Available with O_2.
- Smart CapnoLine H O_2: for use in long duration monitoring like the general floor or medical/surgical unit, with CPAP and BiPAP devices.
- Smart CapnoLine Guard: for use in upper endoscopy procedures.

For intubated patients:
These Microstream FilterLine sets combine an $etCO_2$ 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.
- Special neonate/infant airway adapter with <0.5cc dead space.
- VitaLine™ H sets for high-humidity environments.
- Long versions (4m) offer flexibility.

Selection guide



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