



**PHILIPS**

Capnography

**Many options  
One source**





## Why capnography?

Capnography monitoring provides information needed to prompt early intervention for patients with conditions which may compromise metabolism, perfusion, ventilation, and airway patency.

## Why Philips?

Philips versatile **Co<sub>2</sub>nnect & Go** mainstream and sidestream capnography solutions ease clinical workflow throughout the hospital environment.

From neonates to adults, we bring our technology across the continuum of care: surgical suite, intensive care unit, emergency room, general ward, procedural sedation – two clinical options, one common connection.

With Philips as a trusted supply partner, you can be confident in quality consumables that are validated for both Philips and non-Philips devices, built to high standards of durability.

# Accurate measurements and clinical versatility

With Philips, you can choose a single capnography monitoring technology to meet different patient needs at different times. Capnostat 5 mainstream and LoFlo sidestream EtCO<sub>2</sub> sensors use a common extension server, providing clinical versatility to use either solution with the same monitor.

No calibration is required. The sensors remain stable over time with continual and automatic validated calibration information.

**Co<sub>2</sub>nnect & Go – Breathe easier.**



## Fast and responsive mainstream monitoring

Mainstream monitoring is an ideal choice for intubated patients. It provides a non-diverting, crisp, accurate CO<sub>2</sub> waveform with no time delay, and does not require use of a scavenger system to collect anesthesia gases. Because patient secretions or high humidity do not contaminate the sensor, it is a preferred choice for these patient conditions or environments.

The small, rugged, lightweight Capnostat 5 sensors offer fast, accurate on-airway measurement for intubated patients. The light weight makes them a comfortable option for even your smallest patients. They can be used with either single-patient use (SPU) airway adapters or reusable airway adapters that are designed for long-term use and color-coded for easy identification.

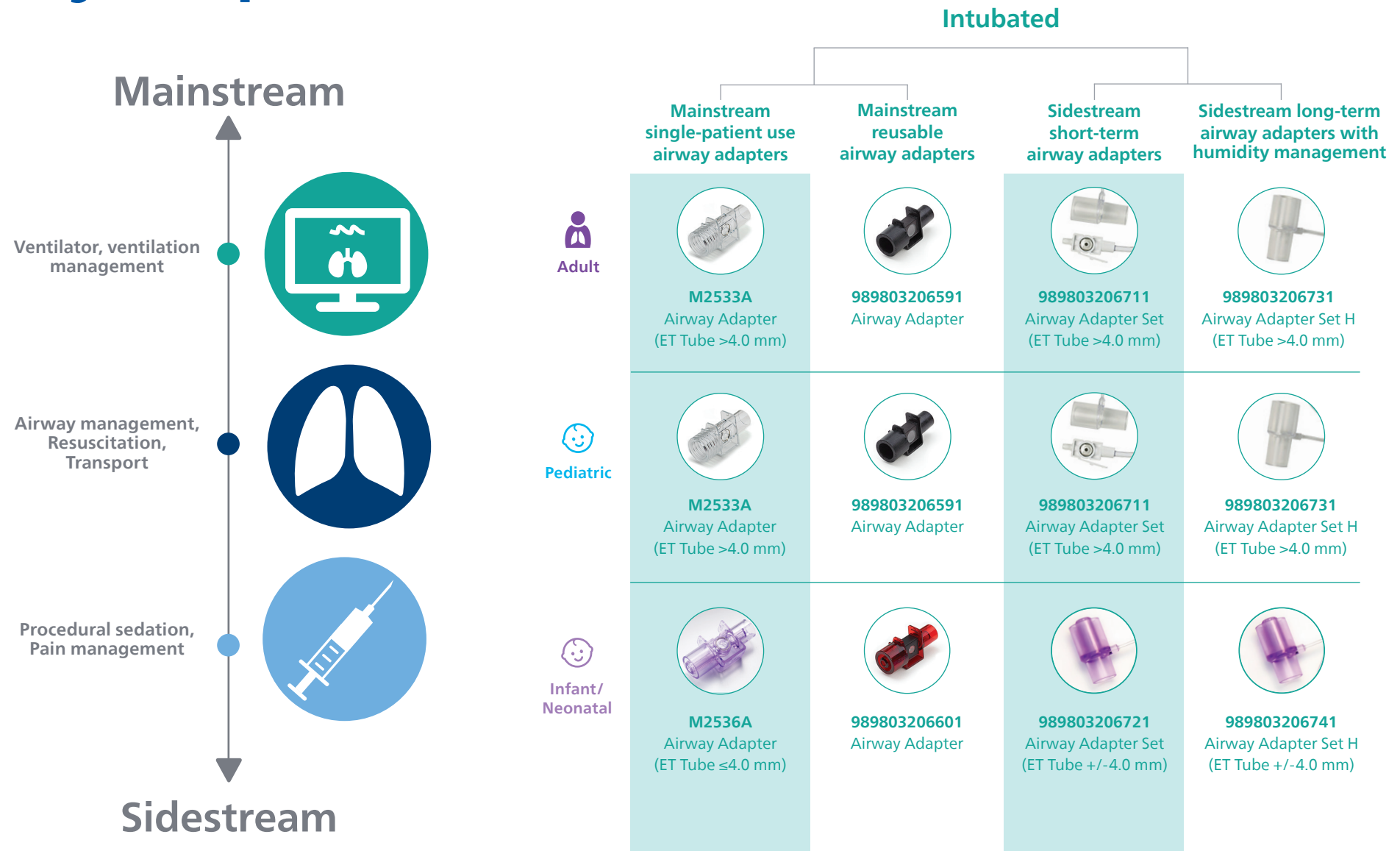
## Flexible and durable sidestream monitoring

Sidestream monitoring is a good option for non-intubated spontaneously breathing patients as well as patients requiring intubation during short-term procedural sedation or anesthesia.

Our diverse LoFlo sidestream portfolio includes airway adapters, and oral/nasal patient interfaces (with or without O<sub>2</sub> delivery and dehumidification options), allowing for ventilation monitoring across the clinical workflow, and from neonates to adults.

The 50 ml/minute sampling rate and 100 Hz sample frequency make them highly suitable for use with infant and neonatal patients.

# Choose the right accessories for **your patient needs**





## Non-intubated

### Short-term

No O<sub>2</sub> delivery

O<sub>2</sub> delivery

Oral-nasal

Nasal

Oral-nasal

Nasal



Adult



**989803206671**

Adult CO<sub>2</sub>  
Oral/Nasal



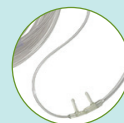
**989803206611**

Adult CO<sub>2</sub>  
Nasal



**989803206691**

Adult CO<sub>2</sub>/O<sub>2</sub>  
Oral/Nasal



**989803206641**

Adult CO<sub>2</sub>/O<sub>2</sub>  
Nasal



Pediatric



**989803206681**

Pediatric CO<sub>2</sub>  
Oral/Nasal



**989803206621**

Pediatric CO<sub>2</sub>  
Nasal



**989803206701**

Pediatric CO<sub>2</sub>/O<sub>2</sub>  
Oral/Nasal



**989803206651**

Pediatric CO<sub>2</sub>/O<sub>2</sub>  
Nasal

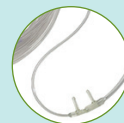


Infant/  
Neonatal



**989803206631**

Infant/Neo CO<sub>2</sub>  
Nasal



**989803206661**

Infant/Neo CO<sub>2</sub> /O<sub>2</sub>  
Nasal



# Comparison chart

## mainstream versus sidestream monitoring

	Mainstream sensor	Sidestream sensor
Part number	M2501A	M2741A
Initialization time	Full specifications within two minutes, waveform data in less than 15 seconds at an ambient temperature of 25°C	Full specifications within two minutes, waveform data in less than 20 seconds at an ambient temperature of 25°C
Measurement range	0 to 150 mmHg, 0 to 19.7%, 0 to 20 kPa (at 760 mmHg)	0-150 mmHg, 0-19.7%, 0-20 kPa (at 760 mmHg)
Accuracy: 0 - 40 mmHg Accuracy: 41 - 70 mmHg Accuracy: 71 - 100 mmHg Accuracy: 101 - 150 mmHg	0 – 40 mmHg: ± 2 mmHg 41 – 70 mmHg: ± 5% 71 – 100 mmHg: ± 8% 101 – 150 mmHg: ± 10%	± 2% mmHg ± 5% of reading ± 8% of reading ± 10% of reading <b>Note:</b> All specifications are ≥ 12% for respiration rates above 80 BPM
Sample flow rate	N/A	50 ml/min; ±10 ml/min
CO <sub>2</sub> stability (drift): short-term CO <sub>2</sub> stability (drift): long-term	Drift over four hours shall not exceed 0.8 mmHg Accuracy specification will be maintained over a 120-hour period	Drift over four hours shall not exceed 0.8 mmHg Accuracy specification will be maintained over a 120-hour period
Calibration	No routine calibration required. 40 second maximum (15 seconds nominal) airway adapter zero performed when changing to a different style of airway adapter.	No routine calibration required

### Physical characteristics

Size	Height: 35 mm; width: 48 mm; depth: 23 mm	Height: 38 mm; width: 66 mm; depth: 89 mm
Weight	25 gm (0.88 oz)	272 gm (9.6 oz)
Cable length	3 m (9.8')	55.88 cm (22")
Temperature and humidity, operating	0–45°C, 10-90% RH, non-condensing	0–40°C, 10-90% RH, non-condensing
Storage	-40 - 70C, <90% RH, non-condensing	-40 - 70°C, <90% RH, non-condensing
Water resistance	IPX4-Splash-proof (sensor head only)	IPX4-Splash-proof
Shock resistance	IEC TR 60721-4-7 Class 7M3 (designed to withstand environments subject to significant vibrations or high shock levels); IEC 60068-2-27 shock and IEC 60068-2-64 random vibration; Able to withstand repeated six-foot (1.8 m) drops onto tiled floor while operating	IEC TR 60721-4-7 Class 7M3 (designed to withstand environments subject to significant vibrations or high shock levels); IEC 60068-2-27 shock and IEC 60068-2-64 random vibration; Able to withstand a 3 foot (91.4 cm) drop.
Data output	CO <sub>2</sub> gas concentration (mmHg), end-tidal CO <sub>2</sub> , inspired CO <sub>2</sub> , respiratory rate	CO <sub>2</sub> gas concentration (mmHg), end-tidal CO <sub>2</sub> , inspired CO <sub>2</sub> , respiratory rate.





Order all of your capnography consumables from a single source. Mainstream or sidestream. Adult, pediatric, infant, or neonate. Surgical suite, intensive care unit, emergency room, general ward, procedural sedation – and more. Whatever your capnography needs, you can find the answer with Philips.

