

pro-breathe™

# Capnography/Gas Sampling Lines

Microstream Compatible & Standard Luer



A photograph of a man lying in a hospital bed, wearing a nasal cannula. He is covered with a light blue hospital gown. The background shows a typical hospital room setting with blue bedding and a wooden headboard. A semi-transparent dark blue rectangle is overlaid on the lower half of the image, containing the text "Microstream Compatible" in white.

Microstream Compatible





## Microstream Compatible - Short & Long Term Sampling Lines

- Designed to connect to low flow (50ml/min) Microstream enabled monitors and provide a crisp, accurate capnography waveform
- Full range of sampling options including intubated and non-intubated gas sampling lines to cover a wide range of patients and applications
- New innovative single nostril, nasal cannula with breathing bypass offers fast low cost EMS ventilatory monitoring
- Colour coded packaging differentiates intubated and non-intubated sample lines to make selecting the right item easy
- 0.2-micron filter included on all lines to protect the monitor from contamination
- Nafion™ dryer built into long term lines (yellow connector) allows use for up to 72 hours
- Short term (<8 hours) sampling lines are fitted with orange connector

### Nasal sampling cannula have soft dip-moulded prongs for patient comfort

- Available in adult and paediatric sizes with a sliding toggle to adjust under chin for best fit
- Oral/nasal option offers effective oral and nasal sampling when the patient alternates between breathing through the mouth and nose
- Options for supplemental O<sub>2</sub> delivery (up to 5 L/min) designed for minimal dilution of waveform and maximum patient safety with integrated crush/kink resistant tubing
- Innovative Duo Flow nasal design allows EtCO<sub>2</sub> sampling and O<sub>2</sub> delivery from both nostrils simultaneously
- Wide surface area of oral-nasal devices is ideal for sampling during shallow breathing.

### Common Specifications for PRO-BREATHE MS Sample Lines

Sampling Pump Flow Rate: 50 ml/min

Length: 2.1m

ID: 1.0mm, OD: 2.5mm (CO<sub>2</sub>)

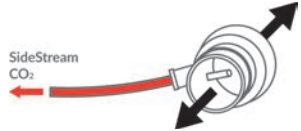








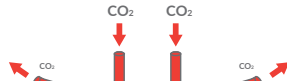






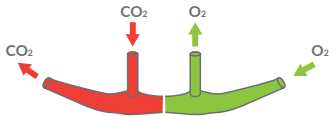






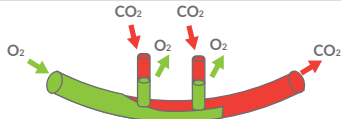




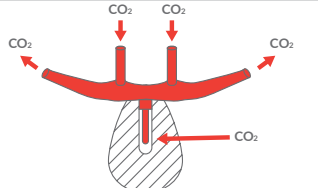






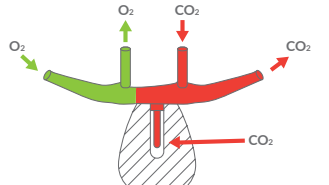








Integrated 0.2-micron filter with streamlined design to avoid patient discomfort



# Microstream Compatible Short Term Use (<8 hours)

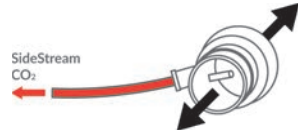
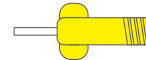


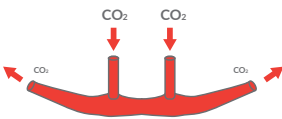
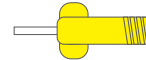



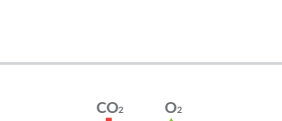




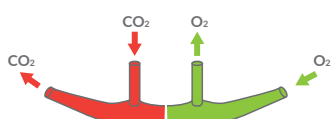
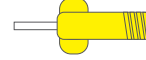



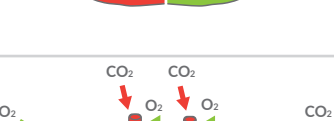




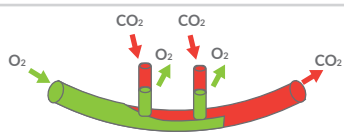
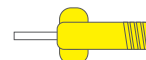



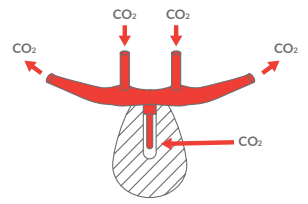
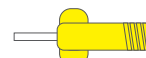



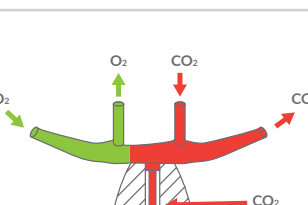




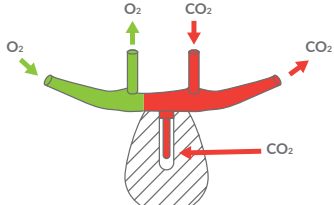
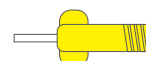







pro-breathe™ **MS**

Part Number	All sample lines are 2.1m long with sampling line ID = 1mm Pump Flow Rate = 50 ml/min			Pack Size	Size	Style	O2 Delivery	Filter
Intubated								
PBMS04620				Box of 25	Adult / Paediatric	22 / 15mm Airway Adapter (SideStream)	N/A	
Non-Intubated								
PBMS04121				Box of 25	Adult	Single Nasal Port with Bypass		
PBMS04221				Box of 25	Adult	Nasal		
PBMS04222				Box of 25	Paediatric	Nasal		
PBMS04261				Box of 25	Adult	Nasal		
PBMS04262				Box of 25	Paediatric	Nasal		
PBMS04361				Box of 25	Adult	Nasal Duo Flow		
PBMS04421				Box of 25	Adult	Oral - Nasal		
PBMS04422				Box of 25	Paediatric	Oral - Nasal		
PBMS04561				Box of 25	Adult	Oral - Nasal		
PBMS04562				Box of 25	Paediatric	Oral - Nasal		

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# Microstream Compatible Long Term Use (<72 hours)

pro-breathe™ MS

Part Number	All sample lines are 2.1m long with sampling line ID = 1mm Pump Flow Rate = 50 ml/min			Pack Size	Size	Style	O2 Delivery	Filter
Intubated								
PBMS06620				Box of 25	Adult / Paediatric	22 / 15mm Airway Adapter (SideStream)	N/A	
Non-Intubated								
PBMS06221				Box of 25	Adult	Nasal		
PBMS06222				Box of 25	Paediatric	Nasal		
PBMS06261				Box of 25	Adult	Nasal		
PBMS06262				Box of 25	Paediatric	Nasal		
PBMS06361				Box of 25	Adult	Nasal Duo Flow		
PBMS06421				Box of 25	Adult	Oral - Nasal		
PBMS06422				Box of 25	Paediatric	Oral - Nasal		
PBMS06561				Box of 25	Adult	Oral - Nasal		
PBMS06562				Box of 25	Paediatric	Oral - Nasal		

## CO<sub>2</sub> Sampling Mask Kits for CO<sub>2</sub> sampling with supplemental O<sub>2</sub> delivery

pro-breathe™

- Soft lightweight PVC construction with smooth feathered edge for patient comfort during long term use.
- Adjustable nose clip and elasticated head strap ensure a good fit.
- Transparent material ensures patient response can be easily monitored.
- Supplied ready to use with integrated crush/kink resistant tubing and 0.3-micron filter to reduce the risk of monitor contamination.



### Common Specifications

Length: 2.0m for both O<sub>2</sub> line and sampling line  
ID: 1.5mm CO<sub>2</sub>, 2.5mm O<sub>2</sub> tubing

Part Number			Pack Size	Size	Style	O <sub>2</sub> Delivery	Filter
PBNS04061		CO <sub>2</sub> Sampling Mask with O <sub>2</sub> Delivery	Box of 50	Adult	Mask with Male Luer	✓	✓
PBNS04062			Box of 50	Paediatric	Mask with Male Luer	✓	✓

## Gas Sampling Lines & Accessories

pro-breathe™

- Constructed from specially formulated PVC material to ensure accurate sampling of both CO<sub>2</sub> and anaesthetic gases with no cross contamination.
- High strength, kink/occlusion resistant design optimised for fast sampling response.
- Available in multiple lengths and a choice of male and female luer lock connectors.

### Common Specifications

ID: 1.2mm, OD: 3.0mm

Part Number			Pack Size	Length	Luer Style	O <sub>2</sub> Delivery	Filter
PBSL08001		Gas Sampling Line	Box of 50	1.0m	Male / Male	N/A	✗
PBSL08002			Box of 50	2.0m	Male / Male	N/A	
PBSL080025			Box of 50	2.5m	Male / Male	N/A	
PBSL08003			Box of 50	3.0m	Male / Male	N/A	
PBSL08005			Box of 50	5.0m	Male / Male	N/A	
PBSL08006			Box of 50	6.0m	Male / Male	N/A	
PBSL08103			Box of 50	3.0m	Male / Female	N/A	
Part Number			Pack Size	Size	Style	O <sub>2</sub> Delivery	Filter
PBNS04820	Adapter Only	Intubated Airway Adapter Luer Lock Female Sample Port	Box of 25	Adult / Paediatric (for ET>4.0mm)	22 / 15mm Airway Adapter (SideStream)	N/A	✗
PBNS04800	Filter Only	In Line Filter for CO <sub>2</sub> / Gas Sampling	Box of 100	0.3 micron	Luer Lock Male/Female	N/A	✓

## CO2 Sampling Devices with Luer Lock Connectors






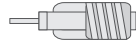



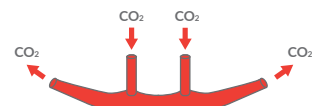






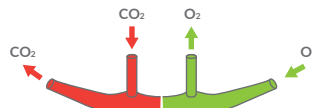






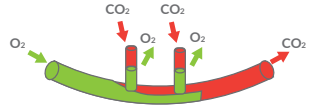




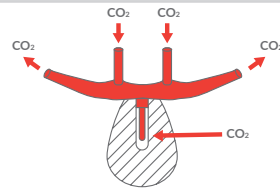






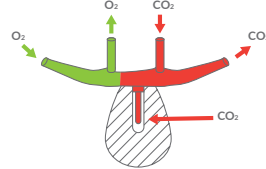
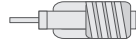





pro-breathe™

- Full range of sampling devices including O2 mask with CO2 sampling, single nostril with bypass, nasal cannula and intubated airway adapter to cover a wide range of applications and patient sizes.
- Standard male luer lock connectors, suitable for most types of monitors, offer maximum flexibility.

### Common Specifications

Length: 2.1m (unless otherwise stated)

ID: 1.2mm, OD: 2.5mm (CO2)

Part Number			Pack Size	Size	Style	O2 Delivery	Filter	
Intubated								
PBNS04620				Box of 25	Adult / Paediatric	22 / 15mm Airway Adapter (SideStream)	N/A	
Non-Intubated								
PBNS04121				Box of 25	Adult	Single Nasal Port with Bypass		
PBNS04221				Box of 25	Adult	Nasal		
PBNS04222				Box of 25	Paediatric	Nasal		
PBNC11130				Box of 50	Adult	Nasal		
PBNC11230		Length: 3.0		Box of 50	Paediatric	Nasal		
PBNS04361				Box of 25	Adult	Nasal Duo Flow		
PBNS04421				Box of 25	Adult	Oral - Nasal		
PBNS04422				Box of 25	Paediatric	Oral - Nasal		
PBNS04561				Box of 25	Adult	Oral - Nasal		
PBNS04562				Box of 25	Paediatric	Oral - Nasal		

Also available from PROACT Handheld / Table Top / Pole Mount Capnography Solutions



All devices manufactured by PROACT™ Medical are fully compliant with the relevant requirements of the European Medical Device Regulations MDR 2017/745.

All PROACT products are CE manufactured/FDA Approved to exceed the minimum requirements of any global standards. Our operations are supported by a Quality Management System certified to meet the criteria of ISO 13485:2016 and we expect the same from our suppliers.

We are proud of our environmental credentials and utilise a system which has been certified to the International standard ISO 14001. We constantly work to minimise our environmental impact, handling our business in a way that is committed to preserving, protecting and enhancing the environment.

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