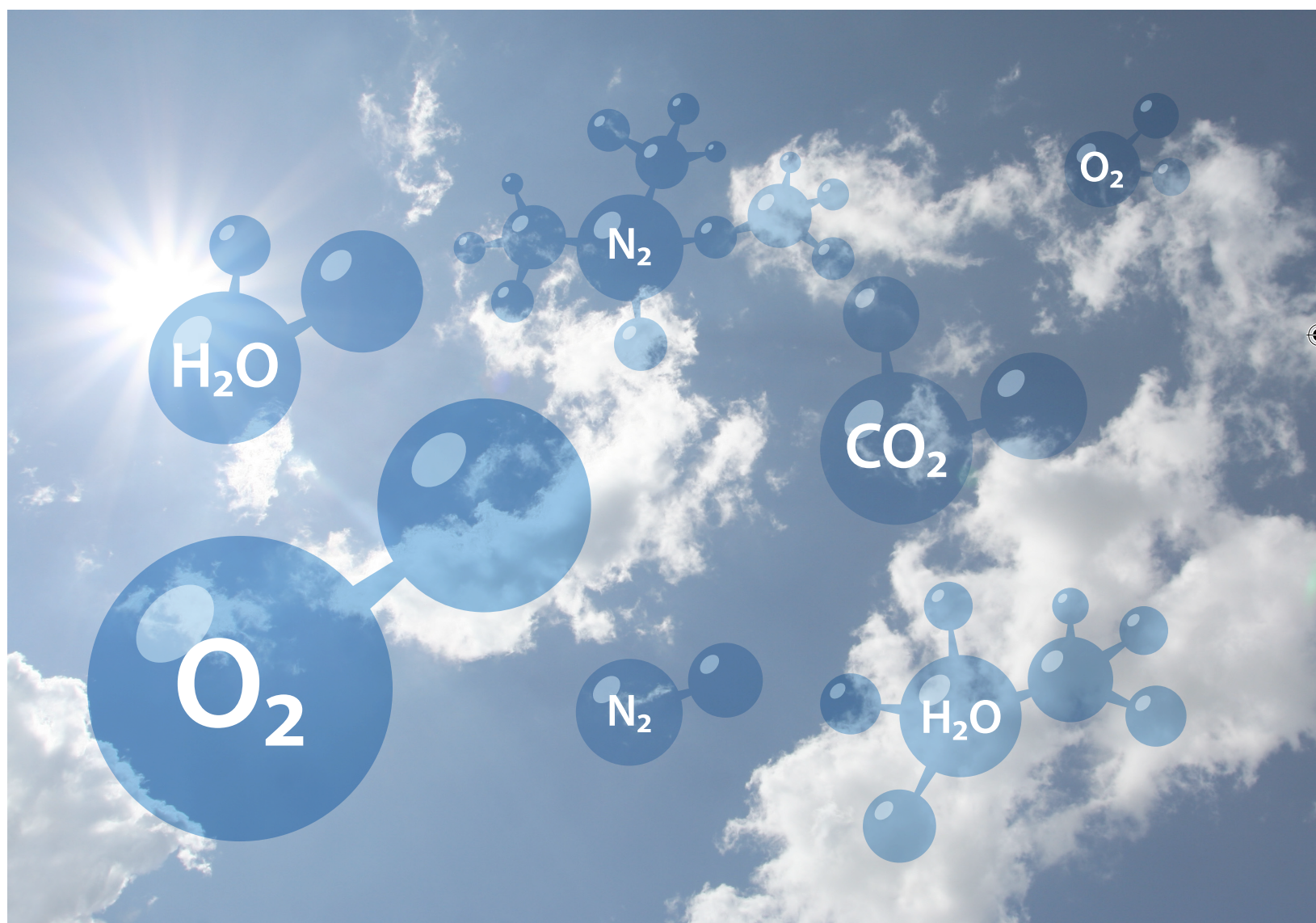


capnography

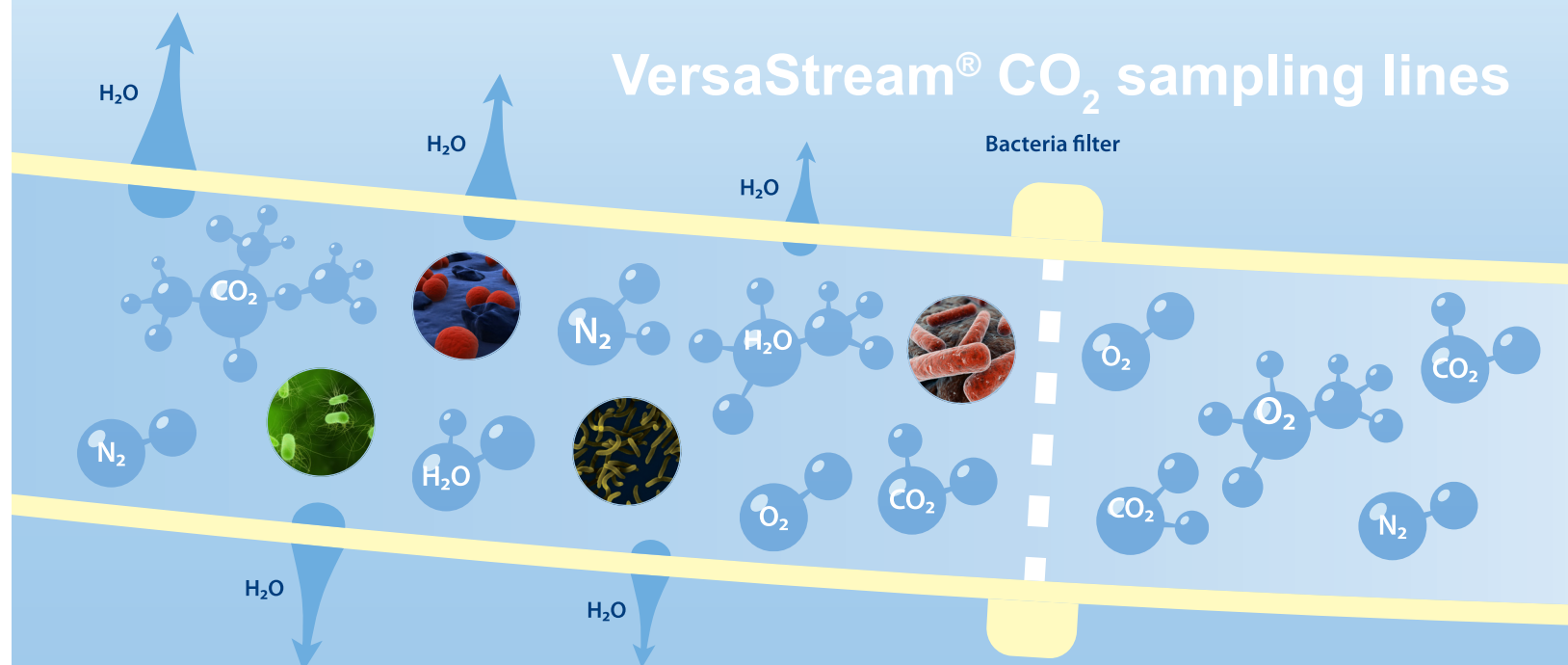
# VersaStream<sup>®</sup>

## Oridion Compatible Gas Sampling Lines

Innovative Solutions for Sidestream Gas Monitoring



# VersaStream® CO<sub>2</sub> sampling lines



The VersaStream® CO<sub>2</sub> sampling lines combine reliability, flexibility and cost efficiencies

For use with Oridion (Medtronic/Covidien/Nellcor) capnographs, as well as capnographs and patient monitors from other manufacturers that incorporate Microstream® technology; such as Philips, Dräger, Nihon Kohden, Physio Control, Zoll...

Compatible to the FilterLine® range of sampling lines.

For selection guide and cross reference enquiries, please contact Viamed or visit our web site.

## Why VersaStream® gas sampling lines?

- Cost-effective alternative to Nafion® tubes.
- The gas-selective non-porous material facilitates fast and complete removal of condensation from the sampling line.
- The integrated bacterial filter prevents contamination.
- Reliable measured gas values, due to negligible dead space volume of the filter - even in cases of high respiration rates.
- Integrated bacteria filter and water removal reduces the number of patient circuit parts and speeds up patient monitoring preparation time.

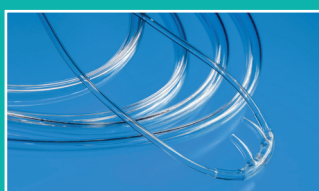
## Innovative material technologies

- Latest material technologies permit active and complete removal of moisture and water – even in cases of low temperatures and high humidity.
- No need to use expensive Nafion® tubes, which are not resistant to bending.
- VersaStream® gas sampling lines are very flexible and are suitable for short-term and long-term applications

## Available gas sampling lines



Nasal Sampling Line



Nasal Cannula



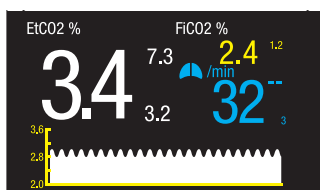
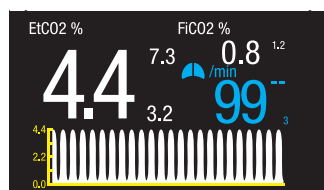
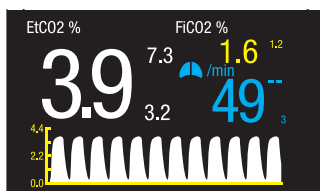
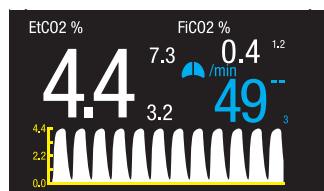
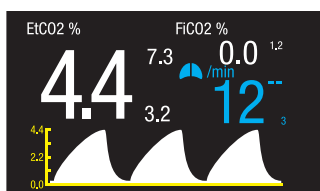
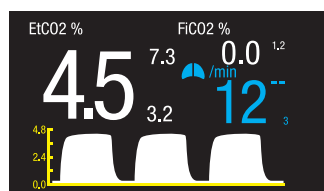
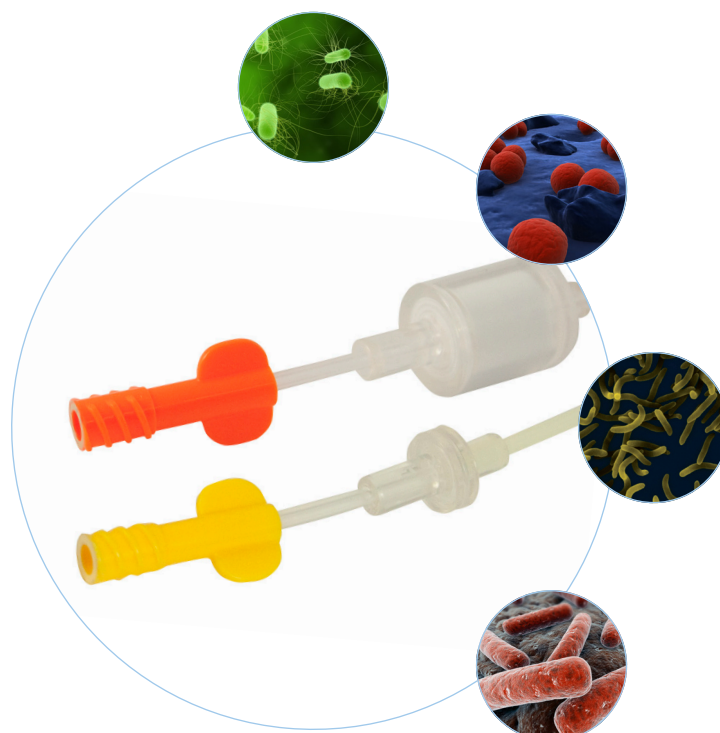
Nasal/Oral Cannula



Airway Adapter Sampling Line

## Reduction of contamination risks

The integrated bacteria filter of the VersaStream® CO<sub>2</sub> sampling lines prevent contamination of gas-conducting components in and at the patient monitor. Transmission of germs, e.g. by contamination at the sample gas connection port of the monitor is prevented.



VersaStream®

LDS filter – Low-dead-space bacteria filter

## Reliable measured values – even in cases of high breathing or ventilation frequency

The dead space volume of the filter unit has been reduced to only a few micro litres, thus facilitating precise measurement of CO<sub>2</sub> concentrations in the breathing gas – even at high respiration rates.



## Diverse areas of application

VersaStream® gas sampling lines are suitable for use in areas, such as:

- Short and long term patient monitoring applications
- Monitoring of intubated and non-intubated patients
- Emergency medicine
- Patient transport
- Anaesthesia
- Intensive-care medicine – for adults and children
- Sedation
- Pain therapy, pain therapy management
- Homecare
- Sleep clinics and CPAP-ventilation



Short-term application – Nasal Sampling Line		Packaging unit	Viamed Part Number	Model Number
CO <sub>2</sub>	Adult	25 pcs./box	4420900	P-S-ORI-200
Short-term application – Nasal Cannula		Packaging unit	Viamed Part Number	Model Number
CO <sub>2</sub>	Adult	25 pcs./box	4420901	NA-S-ORI-200
	Paediatric	25 pcs./box	4420902	NP-S-ORI-200
O <sub>2</sub> /CO <sub>2</sub>	Adult	10 pcs./box	4420904	NAO2-S-ORI-200
	Paediatric	10 pcs./box	4420905	NPO2-S-ORI-200
Long-term application – Nasal Cannula		Packaging unit	Viamed Part Number	Model Number
CO <sub>2</sub>	Adult	25 pcs./box	4420907	NA-L-ORI-220
	Paediatric	25 pcs./box	4420908	NP-L-ORI-200
O <sub>2</sub> /CO <sub>2</sub>	Adult	10 pcs./box	4420910	NAO2-L-ORI-200
	Paediatric	10 pcs./box	4420911	NPO2-L-ORI-200
Short-term application – Nasal/Oral Cannula		Packaging unit	Viamed Part Number	Model Number
CO <sub>2</sub>	Adult	25 pcs./box	4420913	ONA-S-ORI-200
	Paediatric	25 pcs./box	4420914	ONP-S-ORI-200
O <sub>2</sub> /CO <sub>2</sub>	Adult	10 pcs./box	4420915	ONAO2-S-ORI-200
	Paediatric	10 pcs./box	4420916	ONPO2-S-ORI-200
Long-term application – Nasal/Oral Cannula		Packaging unit	Viamed Part Number	Model Number
CO <sub>2</sub>	Adult	25 pcs./box	4420917	ONA-L-ORI-200
	Paediatric	25 pcs./box	4420918	ONP-L-ORI-200
O <sub>2</sub> /CO <sub>2</sub>	Adult	10 pcs./box	4420919	ONAO2-L-ORI-200
	Paediatric	10 pcs./box	4420920	ONPO2-L-ORI-200
Short-term application – Airway Adapter Sampling Line		Packaging unit	Viamed Part Number	Model Number
CO <sub>2</sub>	Adult/Paediatric	25 pcs./box	4420921	A22-S-ORI-200
CO <sub>2</sub>	Infant ID ≤ 4.0 mm	25 pcs./box	4420922	A4.0-S-ORI-200
Long-term application – Airway Adapter Sampling Line		Packaging unit	Viamed Part Number	Model Number
CO <sub>2</sub>	Adult/Paediatric	25 pcs./box	4420923	A22-L-ORI-200
CO <sub>2</sub>	Infant ID ≤ 4.0 mm	25 pcs./box	4420924	A4.0-L-ORI-200
Long-term application - Airway Adapter Sampling Line - High Humidity		Packaging unit	Viamed Part Number	Model Number
CO <sub>2</sub>	Adult/Paediatric	25 pcs./box	4420925	A22-HL-ORI-200
CO <sub>2</sub>	Infant ID ≤ 4.0 mm	25 pcs./box	4420926	A4.0-HL-ORI-200

Short term ≤ 24 hrs

Long term ≤ 72 hrs

Sampling flow rate ≤ 75ml/min



CO<sub>2</sub> = CO<sub>2</sub> monitoring only  
O<sub>2</sub>/CO<sub>2</sub> = O<sub>2</sub> delivery and CO<sub>2</sub> monitoring

Specifications subject to change

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