capnography

VersaStream®
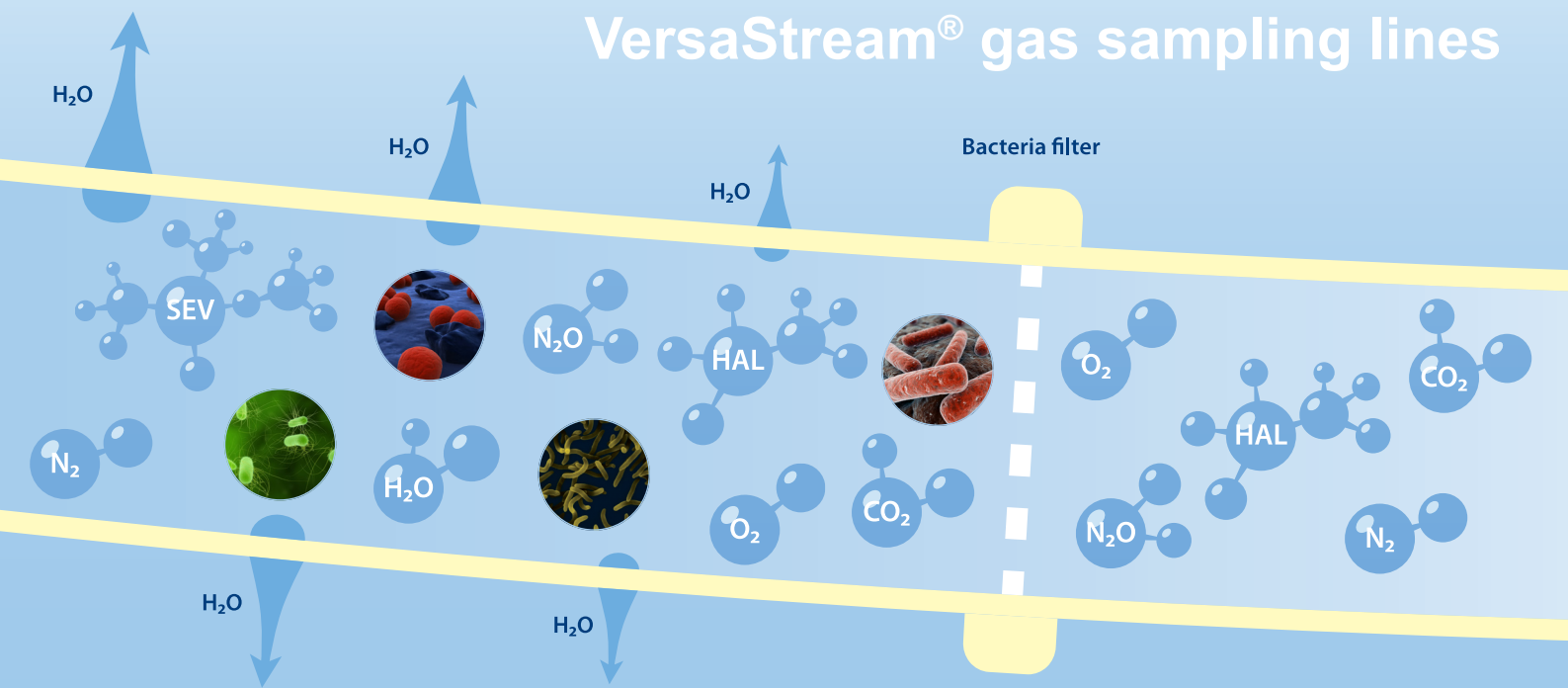# Oridion Gas Sampling Lines

Innovative Solutions for Sidestream Gas Monitoring

H_2O

SEV

N_2O

O_2

CO_2

N_2

HAL

VIAMED

VersaStream® gas sampling lines

H_2O

H_2O

H_2O

Bacteria filter

SEV

N_2O

HAL

O_2

CO_2

HAL

N_2

H_2O

O_2

CO_2

N_2O

N_2

H_2O

H_2O

The VersaStream® gas sampling lines combine reliability, flexibility and cost efficiencies

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.
- Regular water trap exchange (if present) is not required.
- Reliable measured gas values, due to negligible dead space volume of the filter - even in cases of high respiration rates.
- For use with many common types of gas exchange monitors, either low-flow or high-flow.
- 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.

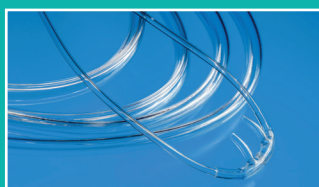No need to use expensive Nafion® tubes, which are not resistant to bending.

VersaStream® gas sampling lines are very flexible and are suitable for short-term and long-term applications.

Available gas sampling lines
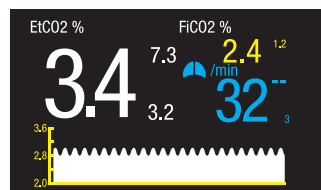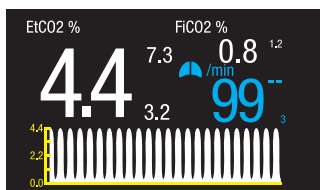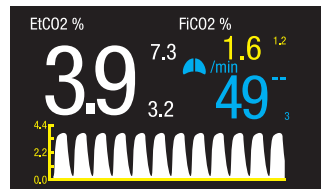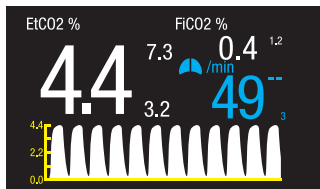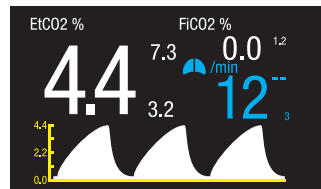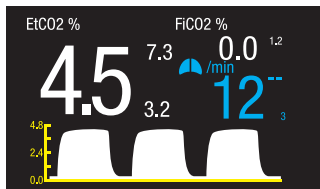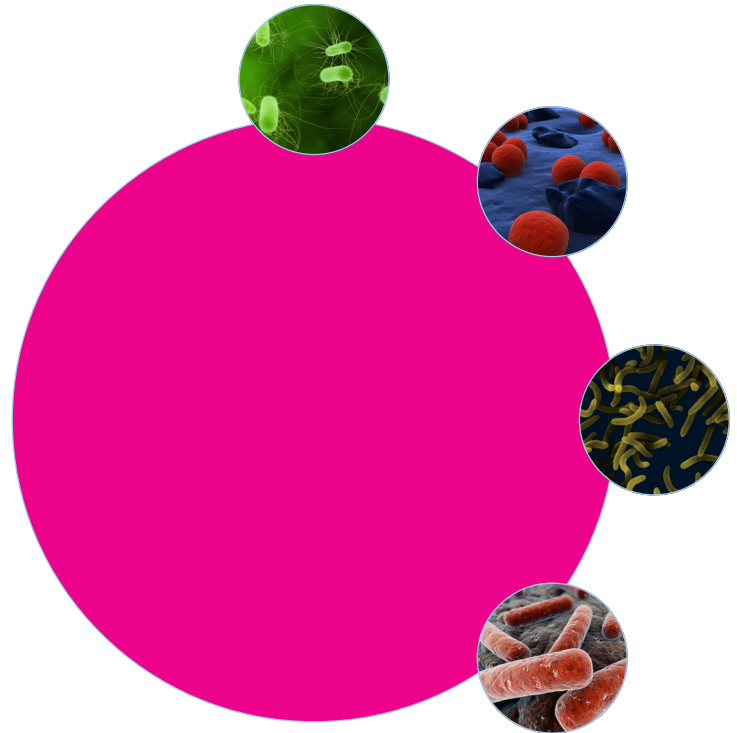
Nasal Sampling Line

Nasal Cannula

Nasal/Oral Cannula

Airway Adapter Sampling Line

Reduction of contamination risks

The integrated bacteria filter of the VersaStream® CO_2 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.

EtCO2 %	FiCO2 %
4.5 7.3 3.2	0.0 /min 12 1,2

EtCO2 %	FiCO2 %
4.4 7.3 3.2	0.0 /min 12 1,2

EtCO2 %	FiCO2 %
4.4 7.3 3.2	0.4 /min 49 1,2

EtCO2 %	FiCO2 %
3.9 7.3 3.2	1.6 /min 49 1,2

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_2 concentrations in the breathing gas – even at high respiration rates.

EtCO2 %	FiCO2 %
4.4 7.3 3.2	0.8 /min 99 1,2

EtCO2 %	FiCO2 %
3.4 7.3 3.2	2.4 /min 32 1,2

VersaStream®

LDS filter – Low-dead-space bacteria filter

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_2	Adult	25 pcs./box	4420900	P-S-ORI-200

Short-term application – Nasal Cannula		Packaging unit	Viamed Part Number	Model Number
CO_2	Adult	25 pcs./box	4420901	NA-S-ORI-200
	Paediatric	25 pcs./box	4420902	NP-S-ORI-200
	Infant	25 pcs./box	4420903	NI-S-ORI-200
O_2/CO_2	Adult	10 pcs./box	4420904	NAO2-S-ORI-200
	Paediatric	10 pcs./box	4420905	NPO2-S-ORI-200
	Infant	10 pcs./box	4420906	NIO2-S-ORI-200

Long-term application – Nasal Cannula		Packaging unit	Viamed Part Number	Model Number
CO_2	Adult	25 pcs./box	4420907	NA-L-ORI-220
	Paediatric	25 pcs./box	4420908	NP-L-ORI-200
	Infant	25 pcs./box	4420909	NI-L-ORI-200
O_2/CO_2	Adult	10 pcs./box	4420910	NAO2-L-ORI-200
	Paediatric	10 pcs./box	4420911	NPO2-L-ORI-200
	Infant	10 pcs./box	4420912	NIO2-L-ORI-200

Short-term application – Nasal/Oral Cannula		Packaging unit	Viamed Part Number	Model Number
CO_2	Adult	25 pcs./box	4420913	ONA-S-ORI-200
	Paediatric	25 pcs./box	4420914	ONP-S-ORI-200
O_2/CO_2	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_2	Adult	25 pcs./box	4420917	ONA-L-ORI-200
	Paediatric	25 pcs./box	4420918	ONP-L-ORI-200
O_2/CO_2	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_2	Adult/Paediatric	25 pcs./box	4420921	A22-S-ORI-200
CO_2	Infant/Neonatal 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_2	Adult/Paediatric	25 pcs./box	4420923	A22-L-ORI-200
CO_2	Infant/Neonatal ID ≤ 4.0 mm	25 pcs./box	4420924	A4.0-L-ORI-200
CO_2/AA	Adult/Paediatric	25 pcs./box	4420927	A22-LHH-ORI-200
CO_2/AA	Infant/Neonatal ID ≤ 4.0 mm	25 pcs./box	4420928	A4.0-LHH-ORI-200

Short-term application - LLM Sampling Line		Packaging unit	Viamed Part Number	Model Number
CO_2	*Sampling line with Luer Lock Male connection	25 pcs./box	4420925??	??

Long-term application - LLM Sampling Line		Packaging unit	Viamed Part Number	Model Number
CO_2	*Sampling line with Luer Lock Male connection	25 pcs./box	4420926??	??
CO_2/AA	*Sampling line with Luer Lock Male connection	25 pcs./box	4420929??	??

Airway adapter with Luer Lock Female connection		Packaging unit	Viamed Part Number	Model Number
	Adult/Paediatric, for use with lines marked * above	25 pcs./box	4420531	A22-LLF

Short term ≤ 24 hrs
Long term ≤ 72 hrs
Sampling flow rate ≤ 75ml/min

CE 0086 ② LATEX PHT

CO_2 = CO_2 monitoring only
O_2/CO_2 = O_2 delivery and CO_2 monitoring
AA = Suitable for use with anaesthetic agents

Specifications subject to change

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