

Medtronic

Designed for comfort, safety, and patient compliance

Microstream™ Advance filter lines
Microstream™ Luer sampling lines



Quick
reference
guide

For use in the U.S. only

Minimize respiratory compromise with our enhanced capnography filter and sampling lines

It's the little things that create the biggest impact for your patients. From how a device touches their skin to the sounds in their rooms to the smells that remind them they are away from home. Providing the right sampling line for every patient can make all the difference when it comes to improving their experience.

Offering the reliability and accuracy you've come to expect from Microstream™ technology, Microstream™ Advance filter lines and Microstream™ Luer sampling lines use a neutral scent and soft, kink-resistant tubing.

The modified placement of the drying element – now further down the tubing and away from the patient's face – maintains the integrity and trusted drying performance of our long duration sampling lines.

Redesigned packaging with instructions for proper sampling line placement enhances ease of use. And identifying the right line for your patient has never been easier thanks to a more intuitive product naming structure and order code updates.



Terminology	
Category:	MV (Microstream™ Advance filter line) ML (Microstream™ Luer sampling line)
Size:	A (Adult - includes Adult-Pediatric and Adult-Intermediate) P (Pediatric only) I (Infant/Neonatal)
Sampling line type:	I (Intubated) B (Guardian Bite Block) N (Nasal)
Oxygen:	O (with oxygen)
Humidity:	HH (High Humidity) H (Humidity)
Length:	L (Long) XL (Extra long)
Quantity:	100u indicates box of 100

Microstream™ capnography sampling lines

Sampling line portfolio

- **Microstream™ Advance filter lines** for use with Microstream™ capnography monitors and multiparameter monitors equipped with Microstream™ technology
 - Orange connectors designate short-term use
 - Yellow connectors designate use for extended duration
- **Microstream™ Luer sampling line (blue connector)** for use with most types of sidestream monitors with a standard luer input connector

Connectors



Orange connector

Short-term use
Microstream™ Advance filter line: Quick-seal connection with a single twist, for a tight seal to the monitor



Yellow connector

Extended duration
Microstream™ Advance filter line: Quick-seal connection with a single twist, for a tight seal to the monitor



Blue connector

Microstream™ Luer™ sampling line



Integrated oxygen connectors



Male O₂ connector



Female O₂ connector



Microstream™ Advance filter lines

Non-intubated patient, short-term use: procedure/emergency

PRODUCT AND FEATURES ORDERING INFORMATION



ADULT Microstream™ Advance oral/nasal filter line

- Samples from both the mouth and the nose
- Integrated O₂ tubing for supplemental oxygen delivery

PART NUMBER	CONFIGURATION	UNITS PER BOX	LENGTH
MVA	O ₂ male connector	25	Standard: 6.5 ft/200 cm
MVA100U	O ₂ male connector	100	Standard: 6.5 ft/200 cm
MVAL	O ₂ male connector	25	Long: 13 ft/400 cm
MVAL100U	O ₂ male connector	100	Long: 13 ft/400 cm
MVAO	O ₂ tubing female connector	25	Standard: 6.5 ft/200 cm
MVAO100U	O ₂ tubing female connector	100	Standard: 6.5 ft/200 cm
MVAOL	O ₂ tubing female connector	25	Long: 13 ft/400 cm
MVAOL100U	O ₂ tubing female connector	100	Long: 13 ft/400 cm



PEDIATRIC Microstream™ Advance oral/nasal filter line

- Samples from both the mouth and the nose
- Available with or without O₂ delivery

PART NUMBER	CONFIGURATION	UNITS PER BOX	LENGTH
MVP	No O ₂ delivery	25	Standard: 6.5 ft/200 cm
MVPO	O ₂ tubing female connector	25	Standard: 6.5 ft/200 cm
MVPOL	O ₂ tubing female connector	25	Long: 13 ft/400 cm



ADULT AND PEDIATRIC Microstream™ Advance nasal filter line

- Nasal sampling only
- Integrated O₂ tubing for supplemental oxygen delivery

PART NUMBER	CONFIGURATION	UNITS PER BOX	PATIENT TYPE	LENGTH
MVANO	O ₂ tubing female connector	25	Adult	Standard: 6.5 ft/200 cm
MVANO100U	O ₂ tubing female connector	100	Adult	Standard: 6.5 ft/200 cm
MVANOL	O ₂ tubing female connector	25	Adult	Long: 13 ft/400 cm
MVANOL100U	O ₂ tubing female connector	100	Adult	Long: 13 ft/400 cm
MVPNO	O ₂ tubing female connector	25	Pediatric	Standard: 6.5 ft/200 cm



ADULT, PEDIATRIC, AND NEONATAL Microstream™ Advance nasal filter line

- Nasal sampling only
- No O₂ delivery

PART NUMBER	UNITS PER BOX	PATIENT TYPE	LENGTH
MVAN	25	Adult	Standard: 6.5 ft/200 cm
MVIN	25	Infant/neonate	Standard: 6.5 ft/200 cm
MVPN	25	Pediatric	Standard: 6.5 ft/200 cm



BITE BLOCK AND FILTER LINE Microstream™ Advance bite block filter line

- Samples from both the mouth and the nose
- Integrated O₂ tubing for supplemental oxygen delivery
- O₂ delivery system can administer oxygen flow up to 10 L/min
- Accommodates up to 60 Fr endoscope

PART NUMBER	CONFIGURATION	UNITS PER BOX	LENGTH
MVAB	O ₂ male connector	25	Standard: 6.5 ft/200 cm
MVABO	O ₂ tubing female connector	25	Standard: 6.5 ft/200 cm
MVABOL	O ₂ tubing female connector	25	Long: 13 ft/400 cm
MVAB100U	O ₂ male connector	100	Standard: 6.5 ft/200 cm
MVABO100U	O ₂ tubing female connector	100	Standard: 6.5 ft/200 cm
MVABOL100U	O ₂ tubing female connector	100	Long: 13 ft/400 cm

Microstream™ Advance filter lines

Intubated patient, short-term use: procedure/emergency

PRODUCT AND FEATURES

ORDERING INFORMATION



ADULT AND PEDIATRIC Microstream™ Advance intubated filter line

Intended for use with ETT size > 4.5mm

PART NUMBER	UNITS PER BOX	LENGTH
MVAI	25	Standard: 6.5 ft/200 cm
MVAI100U	100	Standard: 6.5 ft/200 cm
MVAIL	25	Long: 13 ft/400 cm

Accessories

PRODUCT AND FEATURES

ORDERING INFORMATION



FOR USE WITH PATIENTS DURING MRI Microstream™ Advance filter line

- Designed for use during MRI when the monitor is placed outside the suite and an extended filter line is required

PART NUMBER	CONFIGURATION	UNITS PER BOX	PATIENT TYPE	LENGTH
MVXL	No O ₂ delivery	25	All	30 ft/900 cm

Non-intubated patient, extended duration: intensive care/long-term care

PRODUCT AND FEATURES

ORDERING INFORMATION



ADULT Microstream™ Advance oral/nasal filter line

- Samples from both the mouth and the nose
- Drier moisture reduction technology
- Integrated O₂ tubing for supplemental oxygen delivery

PART NUMBER	CONFIGURATION	UNITS PER BOX	LENGTH
MVAOH	O ₂ tubing female connector	25	Standard: 6.5 ft/200 cm
MVAOH100U	O ₂ tubing female connector	100	Standard: 6.5 ft/200 cm
MVAOHL	O ₂ tubing female connector	25	Long: 13 ft/400 cm



PEDIATRIC Microstream™ Advance oral/nasal filter line

- Samples from both the mouth and the nose
- Drier moisture reduction technology
- Integrated O₂ tubing for supplemental oxygen delivery

PART NUMBER	CONFIGURATION	UNITS PER BOX	LENGTH
MVPOH	O ₂ tubing female connector	25	Standard: 6.5 ft/200 cm
MVPOHL	O ₂ tubing female connector	25	Long: 13 ft/400 cm



ADULT, PEDIATRIC, AND NEONATAL Microstream™ Advance nasal filter line

- Nasal sampling only
- Drier moisture reduction technology
- Integrated O₂ tubing for supplemental oxygen delivery available

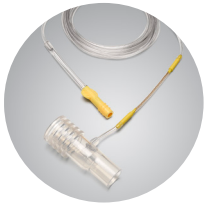
	PART NUMBER	CONFIGURATION	UNITS PER BOX	LENGTH
ADULT	MVANH	No O ₂ delivery	25	Standard: 6.5 ft/200 cm
	MVANOH	O ₂ tubing female connector	25	Standard: 6.5 ft/200 cm
PEDIATRIC	MVPNOH	O ₂ tubing female connector	25	Standard: 6.5 ft/200 cm
NEONATAL	MVINH	No O ₂ delivery	25	Standard: 6.5 ft/200 cm
	MVINOH	O ₂ tubing female connector	25	Medium: 9.8 ft/300 cm
	MVINHL	No O ₂ delivery	25	Long: 13 ft/400 cm

Microstream™ Advance filter lines

Intubated patient, extended duration

PRODUCT AND FEATURES

ORDERING INFORMATION



ADULT AND PEDIATRIC

Microstream™ Advance intubated filter line

- Intended for use with ETT > 4.5mm
- Drier moisture reduction technology

PART NUMBER	UNITS PER BOX	LENGTH
MVAIH	25	Standard: 6.5 ft/200 cm
MVAIH100U	100	Standard: 6.5 ft/200 cm
MVAIHL	25	Long: 13 ft/400 cm



NEONATAL

Microstream™ Advance intubated filter line

- Intended for use with ETT ≤ 4.5mm
- Drier moisture reduction technology

PART NUMBER	UNITS PER BOX	LENGTH
MVIIH	25	Standard: 6.5 ft/200 cm
MVIIHL	25	Long: 13 ft/400 cm

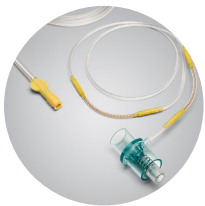


ADULT AND PEDIATRIC

Microstream™ Advance intubated filter line

- Intended for use with ETT > 4.5mm
- Extended drier moisture reduction technology for high ambient humidity

PART NUMBER	UNITS PER BOX	LENGTH
MVAIHH	25	Standard: 6.5 ft/200 cm



NEONATAL


Microstream™ Advance intubated filter line


- Intended for use with ETT ≤ to 4.5mm
- Longer drier moisture reduction technology for high ambient humidity


PART NUMBER	UNITS PER BOX	LENGTH
MVIIHH	25	Standard: 6.5 ft/200 cm


Microstream™ Luer sampling lines

Nonintubated patient, short-term use: procedure/emergency/OR


PRODUCT AND FEATURES		ORDERING INFORMATION		
 <p>ADULT Microstream™ Luer sampling line</p> <ul style="list-style-type: none"> • Samples from both the mouth and the nose • Integrated O₂ tubing for supplemental oxygen delivery 	PART NUMBER	CONFIGURATION	UNITS PER BOX	LENGTH
	MLA	O ₂ tubing male connector	25	Standard: 6.5 ft/200 cm
	MLAO	O ₂ tubing female connector	25	Standard: 6.5 ft/200 cm
	MLA100U	O ₂ tubing male connector	100	Standard: 6.5 ft/200 cm
	MLAO100U	O ₂ tubing female connector	100	Standard: 6.5 ft/200 cm

 <p>PEDIATRIC Microstream™ Luer sampling line</p> <ul style="list-style-type: none"> • Samples from both the mouth and the nose • Integrated O₂ tubing for supplemental oxygen delivery 	PART NUMBER	CONFIGURATION	UNITS PER BOX	LENGTH
	MLPO	O ₂ tubing female connector	25	Standard: 6.5 ft/200 cm

 <p>ADULT AND PEDIATRIC Microstream™ Luer nasal sampling line</p> <ul style="list-style-type: none"> • Nasal sampling only • Integrated O₂ tubing for supplemental oxygen delivery 	PART NUMBER	CONFIGURATION	UNITS PER BOX	PATIENT TYPE	LENGTH
	MLANO	O ₂ tubing female connector	25	Adult	Standard: 6.5 ft/200 cm
	MLPNO	O ₂ tubing female connector	25	Pediatric	Standard: 6.5 ft/200 cm

 <p>BITE BLOCK AND SAMPLING LINE Microstream™ Luer Bite Block sampling line</p> <ul style="list-style-type: none"> • Samples from both the mouth and the nose • Integrated O₂ tubing for supplemental oxygen delivery • O₂ delivery system can administer oxygen flow up to 10 L/min • Accommodates up to 60 Fr endoscope 	PART NUMBER	CONFIGURATION	UNITS PER BOX	LENGTH
	MLABO	O ₂ tubing female connector	25	Standard: 6.5 ft/200cm
	MLABOL	O ₂ tubing female connector	25	Long: 13 ft/400 cm

Intubated patient, short-term use: procedure/emergency/OR

PRODUCT AND FEATURES		ORDERING INFORMATION	
 <p>ADULT Microstream™ Luer intubated sampling line</p> <p>Intended for use with ETT > 4.5mm</p>	PART NUMBER	UNITS PER BOX	LENGTH
	MLAI	25	Standard: 6.5 ft/200 cm

Accessories

PRODUCT AND FEATURES

ORDERING INFORMATION



Male/male luer adapter, airway adapter, CO₂ sampling line

PART NUMBER	CONFIGURATION	UNITS PER BOX
010555	Male/male luer adapter	25
010989	Airway adapter	25
ML	CO ₂ sampling line (short-term: procedural/emergency)	25

Legacy SKU and new SKU reference chart



Short-term sampling lines

LEGACY SKU	NEW SKU	DESCRIPTION
009818	MVA	oral/nasal, adult
010209	MVA100U	oral/nasal, adult, 100ct
010340	MVAL	oral/nasal, adult, long
010339	MVAL100U	oral/nasal, adult, long, 100 ct
009822	MVAO	oral/nasal, adult, w/O ₂ tubing
010210	MVAO100U	oral/nasal, adult w/O ₂ tubing, 100 ct
009826	MVAOL	oral/nasal, adult w/O ₂ tubing, long
010341	MVAOL100U	oral/nasal, adult w/O ₂ tubing, long, 100 ct
007266	MVP	oral/nasal, pediatric
007269	MVPO	oral/nasal, pediatric w/O ₂ tubing
007743	MVPOL	oral/nasal, pediatric w/O ₂ tubing, long
006912	MVANO	nasal, adult w/O ₂ tubing
010304	MVANO100U	nasal, adult w/O ₂ tubing, 100 ct
007739	MVANOL	nasal, adult w/O ₂ tubing, long
010344	MVANOL100U	nasal, adult w/O ₂ tubing, long, 100 ct
006913	MVPNO	nasal, pediatric w/O ₂ tubing
XS04476	MVIN	nasal NIV line, neonatal
008174	MVAN	nasal NIV line, adult
008175	MVPN	nasal NIV line, pediatric
012528	MVAB	adult-intermediate with bite block and w/O ₂ tubing- male connector
012537	MVAB100U	adult-intermediate with bite block and w/O ₂ tubing- male connector, 100 ct
012529	MVABO	adult-intermediate with bite block and w/O ₂ tubing- female connector
012538	MVABO100U	adult-intermediate with bite block and w/O ₂ tubing- female connector, 100 ct
012530	MVABOL	adult-intermediate w/O ₂ tubing- female connector, long
012539	MVABOL100U	adult-intermediate with bite block and w/O ₂ tubing- female connector, long, 100 ct
006325	MVXL	MRI sampling line, XL (9m)
XS04620	MVAI	Intubated, adult-pediatric
010579	MVAI100U	Intubated, adult-pediatric, 100 ct
007768	MVAIL	Intubated, adult-pediatric, long

Legacy SKU and new SKU reference chart



Long-term sampling lines		
LEGACY SKU	NEW SKU	DESCRIPTION
010433	MVAOH	oral/nasal, adult w/O ₂ tubing
010625	MVAOH100U	oral/nasal, adult w/O ₂ tubing, 100ct
012463	MVAOHL	oral/nasal, adult w/O ₂ tubing, long
010582	MVPOH	oral/nasal, pediatric w/O ₂ tubing
012464	MVPOHL	oral/nasal, pediatric w/O ₂ tubing, long
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008177	MVANH	nasal, adult
008179	MVINH	nasal, neonatal-infant
012465	MVINHL	nasal, neonatal-infant, long
008180	MVANOHL	nasal, adult w/O ₂ tubing
008181	MVPNOH	nasal, pediatric w/O ₂ tubing
012111	MVINOHL	nasal, neonatal-infant w/O ₂ tubing, 3m
XS04624	MVAIH	intubated, adult-pediatric
010580	MVAIH100U	intubated, adult-pediatric, 100 ct
007737	MVAIHL	intubated, adult-pediatric, long
006324	MVIIH	intubated, neonatal-infant
007738	MVIIHL	intubated, neonatal-infant, long
010787	MVAIHH	intubated, adult-pediatric, high humidity
010807	MVIIHH	intubated, neonatal-infant, high humidity



Luer sampling lines		
LEGACY SKU	NEW SKU	DESCRIPTION
010172	MLA	oral-nasal, adult, w/O ₂ tubing- male connector
010177	MLAO	oral-nasal, adult, w/O ₂ tubing- female connector
010212	MLA100U	oral-nasal, adult, w/O ₂ tubing- male connector, 100 ct
010213	MLAO100U	oral-nasal, adult, w/O ₂ tubing- female connector, 100 ct
007606	MLPO	oral-nasal, pediatric, w/O ₂ tubing
007609	MLANO	nasal, adult w/O ₂ tubing
007610	MLPNO	nasal, pediatric w/O ₂ tubing
012531	MLABO	adult-intermediate with bite block and w/O ₂ tubing
012532	MLABOL	adult-intermediate with bite block and w/O ₂
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012495	MLAI	Intubated, adult-pediatric
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010991	ML	CO ₂ sampling line, 2m
010989	010989	airway adapter
010555	010555	male-to-male adaptor

All Microstream™ Advance filter lines and Microstream™ Luer sampling lines are single patient use only.

All Microstream™ Advance filter lines and Microstream™ Luer sampling lines are DEHP-free.

Adult/pediatric products are intended for use with ETT tube size > 4.5 mm. The adapter dead space is < 6.6 cc and the weight is 7.0 g.

Infant/neonate products are intended for use with ETT tube size ≤ 4.5 mm. The adapter dead space is < 0.5 cc and the weight is 3.8 g.

CO₂ sampling lines including moisture reduction technology for high humidity environments (noted by H or HH in the part number) are not MRI compatible. Use of non-H sampling lines is advised.

All specifications are subject to change without notice.

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