GE Healthcare

Supplies and Accessories

CARESCAPE Respiratory Modules and Compact Airway Gas Module

The following GE accessories may be used to perform the full respiratory gas monitoring and Patient Spirometry measurement.

WARNING

Single-use products are not designed to be reused. Reuse may cause a risk of cross-contamination, affect the measurement accuracy and/or system performance, and cause a malfunction as a result of the product being physically damaged due to cleaning, disinfection, re-sterilization and/or reuse.

Always ensure the correct size and fit of accessories according to patient type and application, especially when monitoring pediatric and neonatal patients.

Instructions For Use

For detailed information on the use of these products and for accurate, device specific listings of compatible accessories, always refer to the User Guide/Instructions For Use accompanying the product/device.

Product Availability and Ordering

Local regulations and/or validations may affect product availability, so some products may not be available for sale in all countries.

Before placing an order, check with your GE sales or customer service representative on product availability. In US, to inquire about products in this catalog, please call 800-558-7044 or 800-345-2700.

Disclaimer

The purchase and sale of all products referenced herein are subject to GE Healthcare's standard terms and conditions, available at www.gehealthcare.com. The information provided herein is deemed accurate at the time of publication, however, GE Healthcare undertakes no obligation to correct any information which is or may become inaccurate, incomplete or superseded from time to time. Please contact your GE sales or customer service representative at any time for up-to-date product information and availability.

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Water Separation Accessories

D-fend Pro and D-fend Pro+ water traps for single-width CARESCAPE* respiratory modules

M1182629

M1200227

Water traps provide protection for the respiratory module.

The PTFE membrane of the D-fend Pro water trap inhibits bacteria, viruses, water and contaminants from entering the respiratory measurement system.

The D-fend Pro water trap was developed to protect the gas analysis system from moisture and contaminants, and to enable the seamless operation of CARESCAPE respiratory modules.

Water traps are simple to handle and the water container can be emptied whenever more than half full.

There are application-specific water traps for Anesthesia and Critical Care.

Anesthesia, D-fend Pro

P/N	Description	Quantity
M1182629	D-fend Pro, Dark Steel Blue	10 / Case

Replace the D-fend Pro water trap every two months or more frequently if the monitor so indicates.

Critical Care, D-fend Pro+

P/N	Description	Quantity
M1200227	D-fend Pro+, Green	10 / Case

Replace the D-fend Pro+ every 24 hours, for each new patient, or more frequently if the monitor so indicates.

D-fend Pro and D-fend Pro+ water traps are recommended to be used with the following modules:

	E-sCO	E-sCOV	E-sCAiO	E-sCAiOV
D-fend Pro			X	X
D-fend Pro+	X	X		

D-fend Pro and D-fend Pro+ water traps are specified for use with the following modules:

E-sCO, E-sCOV, E-sCAiO, E-sCAiOV, E-sCAiOE, E-sCAiOVE

D-fend water traps for double-width compact airway gas modules

876446-HEL

881319-HEL

The GORE-TEX membrane of D-fend water trap inhibits bacteria, viruses, water and mucus from entering the respiratory measurement system.

There are application-specific water traps for Anesthesia and Critical Care.

Anesthesia, D-fend

P/N	Description	Quantity
876446-HEL	D-fend, Black	10 / Case

Replace the water trap every two months or more frequently if the monitor so indicates.

Critical Care, D-fend+

P/N	Description	Quantity
881319-HEL	D-fend+, Green	10 / Case

Replace the water trap every 24 hours, for each new patient, or more frequently if the monitor so indicates.

D-fend and D-fend+ water traps are recommended to be used with the following modules:

	E-CO	E-COV	E-COVX	E-CAiO	E-CAiOV	E-CAiOVX
D-fend				X	X	X
D-fend+	X	X	X			

D-fend and D-fend+ water traps are specified for use with the following modules:

E-CO, E-COV, E-COVX, E-CAiO, E-CAiOV, E-CAiOVX

Mini D-fend water trap for E-miniC CO_2 module

The GORE-TEX membrane of the Mini D-fend water trap inhibits bacteria, viruses, water and mucus from entering the respiratory measurement system.

The same water trap is specified for use in both Anesthesia and Critical Care.

In Anesthesia, replace the water trap every two months or more frequently if the monitor so indicates.

In Critical Care, replace the water trap every 24 hours, for each new patient, or more frequently if the monitor so indicates.

8002174

P/N	Description	Quantity
8002174	Mini D-fend	10 / Case

Mini D-fend water trap is specified for use with the following module:

E-miniC

Patient Spirometry Accessories

D-lite flow sensors for Patient Spirometry

| 896952 | 8001948 | 733950 | 733910-HEL | 73393 |

Ventilator independent, the flow sensor obtains measurement at the patients airway.

Only one connector is needed for lung mechanics, airway gases and metabolism.

Lightweight sensors can be used anywhere GE Healthcare respiratory monitoring technology is applied, including in anesthesia delivery and ICU ventilation.

FOR HUMID CONDITIONS:
The D-lite+ and Pedi-Lite+ flow sensors' hydrophilic surface prevents the condensed water from disturbing the measurement.

Selection
Selection of the flow sensor is based on the tidal volume of the patient:
- D-lite(+): 150 – 2000 ml
- Pedi-lite(+): 5 – 300 ml [1]

Cleaning
The disposable D-lite, D-lite+ and Pedi-lite+ sensors are for single patient use only.

The reusable D-lite and Pedi-lite sensors can be:
- hand washed
- machine washed
- disinfected with suitable disinfectants
- steam autoclaved (max. temp. 132º C /270º F)

Positioning
Place all ports upwards to avoid condensed water from entering the tubings.

P/N	Description	Quantity
896952	D-lite+ sensor, disposable, humid conditions	50 / Case
8001948	Pedi-lite+ sensor, disposable, humid conditions	50 / Case
733950	D-Lite sensor, disposable	50 / Case
733910-HEL	D-Lite sensor, reusable	1 / Case
73393	Pedi-Lite sensor, reusable	1 / Case

Flow sensors are specified for use with the following modules:

E-COV, E-COVX, E-CAiOV, E-CAiOVX, E-sCOV, E-sCAiOV, E-sCAiOVE

Technical specifications of flow sensors:

	896952 D-lite+ Disposable	733910-HEL D-lite Reusable	733950 D-lite Disposable	8001948 Pedi-lite+ Disposable	73393 Pedi-lite Reusable
Measurement range (Tidal volume)	150 – 2000 ml	150 – 2000 ml	150 – 2000 ml	5 – 300 ml 15 – 300 ml [1]	5 – 300 ml 15 – 300 ml [1]
Accuracy	±6% or 30 ml	±6% or 30 ml	±6% or 30 ml	±6% or 4 ml	±6% or 4 ml
Dead space	9.5 ml	9.5 ml	9.5 ml	2.5 ml	2.5 ml

[1] Measurement range 15 – 300 with E-COV, E-COVX, E-CAiOV, E-CAiOVX modules

Patient Spirometry tubes

Spirometry tubes are for single patient use only.

Note:

Use 2 m sampling lines with the gas exchange measurement.

P/N	Description	Quantity
890031	Spirometry Tube, 2 m (7 ft)	5 / Case
884101	Spirometry Tube, 3 m (10 ft)	5 / Case
891191-HEL	Spirometry Tube, 6 m (20 ft)	5 / Case
	Note: Use for MRI monitoring	

Spirometry tubes are specified for use with the following modules:

E-COV, E-COVX, E-CAiOV, E-CAiOVX, E-sCOV, E-sCAiOV, E-sCAiOVE

Patient Spirometry kits

Pre-connected kits meet all application areas and are designed to help make set-up quicker and easier.

Specific kits designed for humid conditions.

Selection between D-lite(+) and Pedi-lite+ sensor is based on the tidal volume of the patient.

Patient Spirometry kits are for single patient use only.

Kit Contains:
• Gas sampling line PVC/PE
• D-lite, D-lite+ or Pedi-lite+
• Spirometry tube

8004382

P/N	Description	Quantity
8004381	D-lite+ Patient Spirometry kit, 2 m (7 ft)	20 / Case
8004382	D-lite+ Patient Spirometry kit, 3 m (10 ft)	20 / Case
8002718	Pedi-lite+ Patient Spirometry kit, 2 m (7 ft)	50 / Case
M1032634	Pedi-lite+ Patient Spirometry kit, 3 m (10 ft)	50 / Case
889560	D-lite Patient Spirometry kit, 3 m (10 ft)	50 / Case

Spirometry kits are specified for use with the following modules:

E-COV, E-COVX, E-CAiOV, E-CAiOVX, E-sCOV, E-sCAiOV, E-sCAiOVE

Respiratory Monitoring Sampling Lines

Anesthesia gas sampling lines, PVC/PE

73318-HEL,
73319-HEL,
73306

8004383,
733170

GE Healthcare's gas sampling lines help ensure accurate measurements and problem-free use. They are tested and validated with GE Healthcare equipment.

Gas sampling lines with an elbow connector are well-suited for use with flow sensors.

Anesthesia gas sampling lines are for single patient use only.

Use PVC/PE gas sampling lines when anesthetic agents are present.

Use 2 m gas sampling lines with the gas exchange measurement.

P/N	Description	Quantity
73318-HEL	Gas sampling line, 2 m (7 ft)	10 / Case
733188	Gas sampling line, 2 m (7 ft)	100 / Case
73319-HEL	Gas sampling line, 3 m (10 ft)	10 / Case
733199	Gas sampling line, 3 m (10 ft)	100 / Case
73306	Gas sampling line, 6 m (20 ft) Note: Use for MRI monitoring	5 / Case
8004383	Gas sampling line, 2 m (7 ft) with Elbow Connector Note: Use with D-lite sensors	10 / Case
733170	Gas sampling line, 3 m (10 ft) with Elbow Connector Note: Use with D-lite sensors	10 / Case

Gas sampling lines are specified for use with the following modules:

E-CO, E-COV, E-COVX, E-CAiO, E-CAiOV, E-CAiOVX, E-sCO, E-sCOV, E-sCAiO, E-sCAiOV, E-miniC, E-sCAiOE, E-sCAiOVE

CO$_2$ gas sampling lines, PVC

733162-HEL,
733163

CO$_2$ gas sampling Lines are for single patient use only.

Green identification line in CO$_2$ gas sampling lines

Use PVC/PE sampling lines in Anesthesia

P/N	Description	Quantity
733162-HEL	CO$_2$ gas sampling line, 2 m (7 ft)	10 / Case
733163	CO$_2$ gas sampling line, 3 m (10 ft)	10 / Case

CO$_2$ gas sampling lines are specified for use with the following modules:

E-CO, E-COV, E-COVX, E-sCO, E-sCOV, E-miniC

Gas Monitoring Airway Adapters

73385-HEL

73386-HEL

Airway adapters are for single patient use only.

Dead space:
Straight T-adapter: 7.5 ml
Elbow adapter: 10 ml

P/N	Description	Quantity
73385-HEL	Straight T-adapter	10 / Case
733856	Straight T-adapter	100 / Case
73386-HEL	Elbow adapter	10 / Case
733866	Elbow adapter	100 / Case

Airway adapters are specified for use with the following modules:

E-CO, E-COV, E-COVX, E-CAiO, E-CAiOV, E-CAiOVX, E-sCO, E-sCOV, E-sCAiO, E-sCAiOV, E-miniC, E-sCAiOE, E-sCAiOVE

Low dead space airway adapters

8001542

Low dead space airway adapters are well suited for patients with low tidal volume (TV).

Low dead space airway adapters are for single patient use only.

Deadspace:
ET tubes with ID 3.0 mm: 0.15 ml
ET tubes with ID 3.5 mm: 0,2 ml
ET tubes with ID 4.0 mm: 1 ml
ET tubes with ID 4.5 mm: 1 ml
ET tubes with ID 5.0 mm: 1 ml

P/N	Description	Quantity
8001541	Low dead space adapter for ET tubes with ID 3.0 mm	10 / Case
8001542	Low dead space adapter for ET tubes with ID 3.5 mm	10 / Case
8001543	Low dead space adapter for ET tubes with ID 4.0 mm	10 / Case
8000062	Low dead space adapter for ET tubes with ID 4.5 mm	10 / Case
8000063	Low dead space adapter for ET tubes with ID 5.0 mm	10 / Case

Low dead space airway adapters are specified for use with the following modules:

E-CO, E-COV, E-COVX, E-CAiO, E-CAiOV, E-CAiOVX, E-sCO, E-sCOV, E-sCAiO, E-sCAiOV, E-miniC, E-sCAiOE, E-sCAiOVE

Gas Monitoring Accessories

Gas monitoring of non-intubated patients

2070599-001, 2070600-001

Nasal cannulas, 2 m (7 ft)

P/N	Description	Quantity
2070599-001	Adult O2 nasal cannula with CO2 sampling, 2m (7 ft)	25 / case
2070600-001	Pediatric O2 nasal cannula with CO2 sampling, 2m (7 ft)	25 / case

Nasal cannulas are specified for use with the following modules:

E-CO, E-COV, E-COVX, E-CAiO, E-CAiOV, E-CAiOVX, E-sCO, E-sCOV, E-sCAiO, E-sCAiOV, E-sCAiOE, E-sCAiOVE, E- miniC

878003, 878004, 878005

Nasal sampling lines, 2 m (7 ft)

P/N	Description	Quantity
878005	Nasal sampling line, large adult	10 / case
878004	Nasal sampling line, adult	10 / case
878003	Nasal sampling line, pediatric	10 / case

Nasal sampling lines are specified for use with the following modules:

E-CO, E-COV, E-COVX, E-CAiO, E-CAiOV, E-CAiOVX, E-sCO, E-sCOV, E-sCAiO, E-sCAiOV, E- miniC, E-sCAiOE, E-sCAiOVE

Gas scavenging

M1031274

8004462, 8004463

P/N	Description
M1031274	Exhaust line for gas scavenging

P/N	Description
8004462	Exhaust line with Coulter fitting, 41 in (1 m) Note: Use with S/5 Aespire* Carestion* and S/5 Avance* Carestation
8004463	Exhaust line with Coulter fitting, 7 in (18 cm) Note: Use with S/5 Avance Carestation

Exhaust lines are specified for use with the following modules:

E-CO, E-COV, E-COVX, E-CAiO, E-CAiOV, E-CAiOVX, E-sCO, E-sCOV, E-sCAiO, E-sCAiOV, E-sCAiOE, E-sCAiOVE
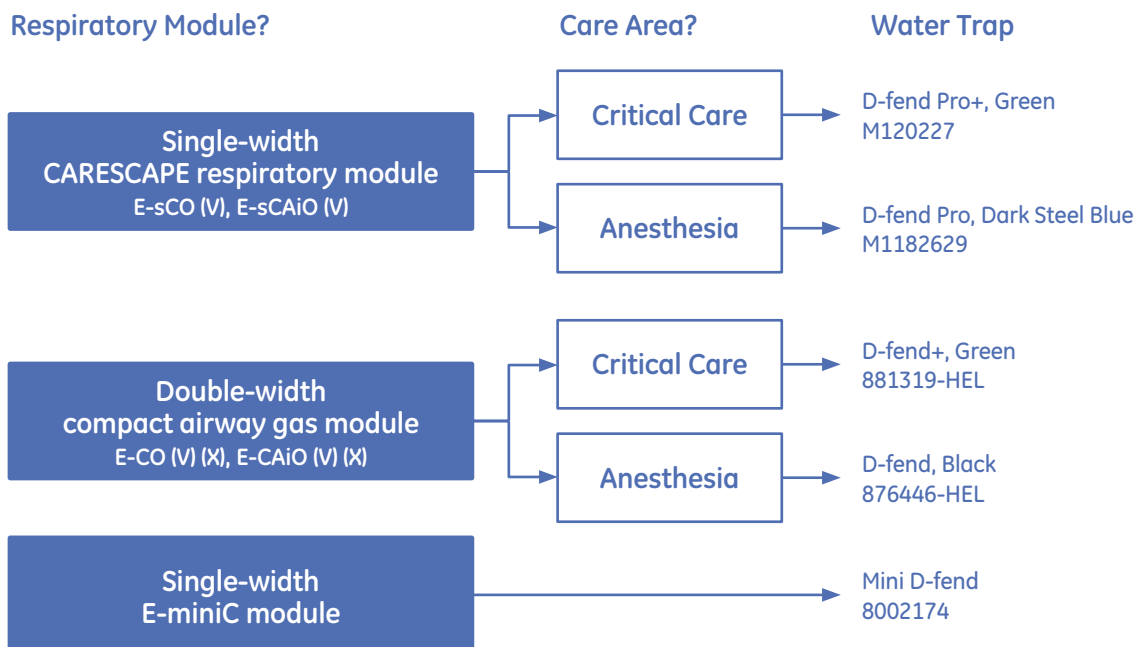

M1031273

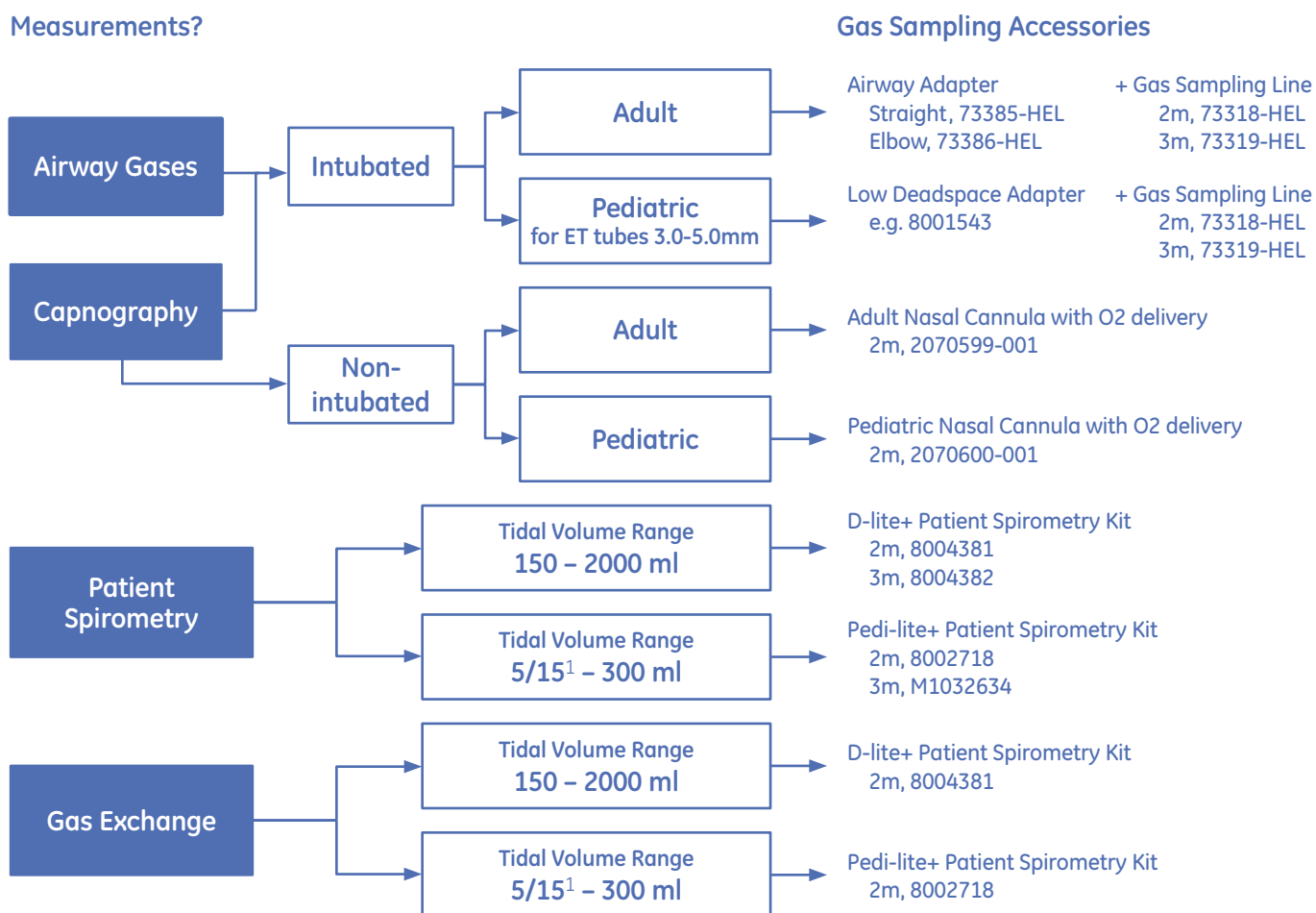| P/N	Description
M1031273	Adapter for gas return

Gas return adapter is specified for use with the following modules:

E-CO, E-COV, E-COVX, E-CAiO, E-CAiOV, E-CAiOV

Quick Guide: select the right accessories

Step 1: Select the water trap

Respiratory Module? → **Care Area?** → **Water Trap**

- **Single-width CARESCAPE respiratory module** E-sCO (V), E-sCAiO (V)
  - Critical Care → D-fend Pro+, Green M120227
  - Anesthesia → D-fend Pro, Dark Steel Blue M1182629

- **Double-width compact airway gas module** E-CO (V) (X), E-CAiO (V) (X)
  - Critical Care → D-fend+, Green 881319-HEL
  - Anesthesia → D-fend, Black 876446-HEL

- **Single-width E-miniC module** → Mini D-fend 8002174

Step 2: Select the gas sampling accessories

Measurements? → **Gas Sampling Accessories**

- **Airway Gases** / **Capnography**
  - **Intubated**
    - Adult → Airway Adapter Straight, 73385-HEL / Elbow, 73386-HEL + Gas Sampling Line 2m, 73318-HEL / 3m, 73319-HEL
    - Pediatric for ET tubes 3.0-5.0mm → Low Deadspace Adapter e.g. 8001543 + Gas Sampling Line 2m, 73318-HEL / 3m, 73319-HEL
  - **Non-intubated**
    - Adult → Adult Nasal Cannula with O2 delivery 2m, 2070599-001
    - Pediatric → Pediatric Nasal Cannula with O2 delivery 2m, 2070600-001

- **Patient Spirometry**
  - Tidal Volume Range 150 – 2000 ml → D-lite+ Patient Spirometry Kit 2m, 8004381 / 3m, 8004382
  - Tidal Volume Range 5/15[1] – 300 ml → Pedi-lite+ Patient Spirometry Kit 2m, 8002718 / 3m, M1032634

- **Gas Exchange**
  - Tidal Volume Range 150 – 2000 ml → D-lite+ Patient Spirometry Kit 2m, 8004381
  - Tidal Volume Range 5/15[1] – 300 ml → Pedi-lite+ Patient Spirometry Kit 2m, 8002718

[1] Check the tidal volume from the module and the monitor manuals.

Calibration gases & regulators

Use the calibration gas recommended for your module, and follow the recommended calibration intervals to ensure that the measurement accuracy remains within specifications.

	Anesthesia	Critical Care	CO_2, E-miniC	Gas exchange in Critical Care
	755534-HEL Calibration Gas Regulator + **755583-HEL** Calibration Gas, blue 5% CO_2, 33% N_2O, 2% Desfl., 55% O_2, Balance N_2	**755534-HEL** Calibration Gas Regulator + **755581-HEL** Calibration Gas, green 5% CO_2, 40% N_2O, 55% O_2	**755534-HEL** Calibration Gas Regulator + **755580** Calibration Gas, grey 5% CO_2, Balance air	**M1006864** Calibration Gas Regulator + **755587** Calibration Gas 5% CO_2, Balance O_2
E-sCO		✕		
E-sCOV		✕		
E-sCAiO	✕			
E-sCAiOV	✕			
E-CO		✕		
E-COV		✕		
E-COVX				✕
E-CAiO	✕			
E-CAiOV	✕			
E-CAiOVX	✕			
E-miniC			✕	

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