



Aquilant
A HC2I Group Company

vyaire[™]
M E D I C A L

**NIV Masks & Heated
Wire Circuits**



AirLife™

Infant heated circuits

*"One patient, one circuit
for up to 30 days"*

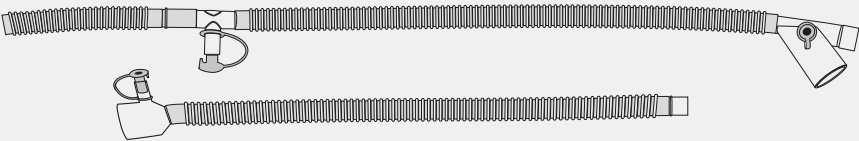
The heated humidification of infants treated with invasive, mechanical ventilation has been shown to improve lung functions.¹

It has also been suggested that heated humidification be used when providing humidification to patients with low tidal volumes or those receiving lung protective therapy.² This is most important in your smallest and most sensitive patients.

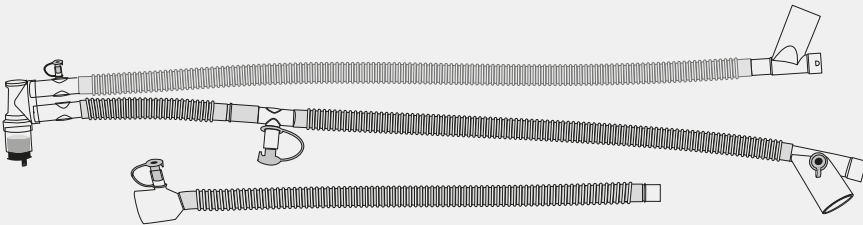
Benefits of our infant heated circuits:

- Can be used for up to 30 days on a single patient
- Made without DEHP, BPA or natural rubber latex
- Dual-swivel patient port for ease in positioning of the circuit
- Spiral wire design aids in reduction of condensate and promotes ideal humidity output
- Multiple adapters are included

AirLife high-performance, infant heated circuits have lightweight and flexible tubing. Their wire technology and structured spiral wire design helps reduce condensation and deliver ideal humidity output.



Infant single-limb, heated circuit



Infant dual-limb, heated circuit

Cat. no.	Description	Qty. (cs.)
Circuit without chamber		
AH032	Infant single-limb, heated 4' continuous flow circuit (> 4 L/min), pressure line, dry gas line and adapters	10
AH165	Infant dual-limb, dual-heated, 4' high flow circuit (> 4 L/min), pressure line, dry gas line and adapters	10
Circuit with chamber		
AH132	Infant single-limb, heated 4' continuous flow circuit with chamber (> 4 L/min), pressure line, dry gas line and adapters	10
AH265	Infant dual-limb, dual-heated, 4' high flow circuit with chamber (> 4 L/min), pressure line, dry gas line and adapters	10

The auto-feed humidification chamber is a high-quality addition to our high-performance heated circuits. It aids in delivering ideal humidity to the patient and reduces work flow for clinicians by eliminating the need to manually fill the chamber with sterile water.



Humidification chamber

Cat. no.	Description	Qty. (cs.)
AH290	Humidification chamber, automatic feed	10

REFERENCES

1 Williams R, Rankin N, Smith T, Galler D, Seakins P. Relationship between the humidity and temperature of inspired gas and the function of the airway mucosa. *Crit Care Med.* 1996 Nov;24(11):1920-9.

2 Hinkson CR, Benson MS, Stephens LM, Deem S. The effects of apparatus dead space on PaCO2 in patients receiving lung-protective ventilation. *Respir Care* 2006;51(10):1140-1144.

AirLife high-performance, infant heated circuit adapters



AirLife understands your need to reduce time spent searching for the necessary adapters to deliver heated humidification to your infant and neonatal patients. Therefore, we have added several adapters to our single-limb and dual-limb high-performance infant heated circuits.

AirLife™ Infant heated circuit adapters

Adapters included with infant single-limb heated circuit (ref nos. AH032 and AH132)



Nasal cannula adapter



Luer adapter for gas sampling

Adapters included with infant dual-limb heated circuit (ref nos. AH165 and AH265)



Ventilator adapters (2)



Luer adapter for gas sampling



Dräger Babylog® adapters (2)



Pressure port adapter



Nasal cannula/CPAP adapters (2)



Adapter for Hamilton/EME ventilator



AirLife®

High-performance heated circuits for adults

*"One patient,
one circuit for
up to 30 days"*

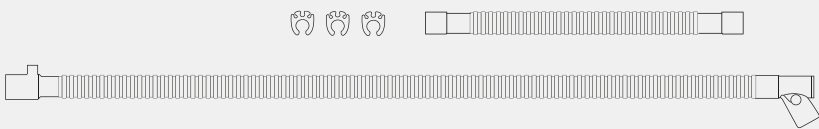
Humidification is recommended on every patient receiving invasive mechanical ventilation.¹

Vyaire™ offers the products you need to take care of your critical adult patients.

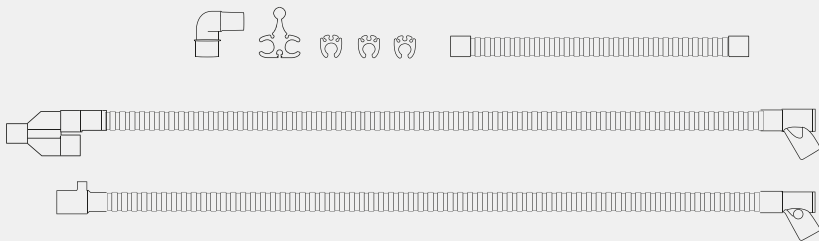
Benefits of AirLife adult heated circuits:

- Can be used for up to 30 days on a single patient
- Made without DEHP, BPA or latex
- Spiral wire design aids in reduction of condensate and helps promote ideal humidity output

Our high-performance heated circuits for adults have lightweight and flexible tubing. Their wire technology and structured spiral wire design help reduce condensation and deliver ideal humidity output.



Adult single-limb, heated circuit



Adult dual-limb, heated circuit

Cat. no.	Description	Qty. (cs.)
Circuit without chamber		
AH102	AirLife high-performance single-limb heated circuit for adults, 5'	10
AH180	AirLife high-performance dual-limb heated circuit for adults, 5'	10
Circuit with chamber		
AH202	AirLife high-performance single-limb heated circuit with chamber for adults, 5'	10
AH280	AirLife high-performance dual-limb heated circuit with chamber for adults, 5'	10

The auto-feed humidification chamber is a high-quality addition to our high-performance heated circuits. It aids in delivering ideal humidity to the patient and reduces work flow for clinicians by eliminating the need to manually fill the chamber with sterile water.



Humidification chamber

Cat. no.	Description	Qty. (cs.)
AH290	Humidification chamber, automatic feed	10

REFERENCES
 1 Restrepo RD, Walsh BK. AARC Clinical Practice Guideline: Humidification During Invasive and Noninvasive Mechanical Ventilation: 2012. *Respiratory Care*. 2012;57(5):782–788. doi: 10.4187/respcare.01766.
 For more information, please contact your local Vyair representative.



AirLife high-performance, dual-limb heated circuit for adults (Product codes: AH102 and AH180)

Duration of use:	Up to 30 days
Circuit length:	5'
Heater platform compatibility:	Compatible with Fisher & Paykel MR850 heater base
Weight:	AH102: 141 g AH180: 205 g
DEHP/BPA/latex information:	AH102/AH180: Manufactured without DEHP, BPA or latex
Resistance to flow @ 30 LPM:	AH102: Inspiratory limb: 0.02 hPa/L/min (<i>cm H₂O/L/min</i>) AH180: Inspiratory limb: 0.02 hPa/L/min (<i>cm H₂O/L/min</i>) Expiratory limb: 0.02 hPa/L/min (<i>cm H₂O/L/min</i>)
Compressible volume:	AH102: 629 mL AH180: 1,474 mL
Compliance @ 60 hPa:	AH102: 1.8 mL/hPa (<i>ml/cm H₂O</i>) AH180: 2.2 mL/hPa (<i>ml/cm H₂O</i>)
Flow rate:	AH102/AH180: > 3 L/min
Rated flow:	AH102: 60 L/min AH180: 30 L/min

AirLife Humidification chamber, auto-feed (Product code: AH290)

Duration of use:	Up to 14 days
Heater platform compatibility:	Compatible with Fisher & Paykel MR850 heater base
Compatibility with HFOV:	Compatible with HFOV
Interface connections:	ISO 5356-1 (22 mm male)
Compressible volume:	245 mL
Resistance to flow @ 60 LPM:	0.40 cm H ₂ O
Compliance:	0.6 mL/cm H ₂ O
Maximum operating pressure:	13.2 kPa
Maximum peak flow:	200 L/min for 3 seconds

AirLife™

Adult heating circuit and chamber specifications

AirLife® noninvasive ventilation masks

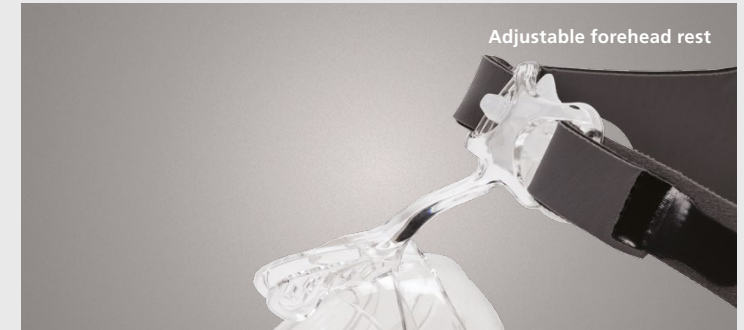
AirLife® noninvasive ventilation (NIV) full face and nasal masks offer clinicians a reliable option, while providing patients comfort and security. The adjustable four-point headgear and flexible swivel connector enable ease in fit and adjustment. Masks feature a lightweight silicone design that contours to the patient's face for a comfortable fit, while the quick release clip eliminates the need to refit after removal. The odorless, easy-to-clean masks include both vented and non-vented options and are available in three sizes to fit a wide range of patients.

Key features

- Flexible swivel connector enables ease in positioning of the circuit
- Comfortable four-point headgear with crown strap for better stability and sealing
- Adjustable forehead rest for comfort and stability
- Soft seal that conforms to the face, reducing need to overtighten
- Quick release strap
- Made without DEHP

AirLife NIV masks (10/cs.)

Cat no.	Product description
NIV040S	Full face mask, vented with anti-asphyxia valve (AAV), small
NIV040M	Full face mask, vented with AAV, medium
NIV040L	Full face mask, vented with AAV, large
NIV043S	Full face mask, non-vented with AAV, small
NIV043M	Full face mask, non-vented with AAV, medium
NIV043L	Full face mask, non-vented with AAV, large
NIV041S	Full face mask, non-vented, small
NIV041M	Full face mask, non-vented, medium
NIV041L	Full face mask, non-vented, large
NIV042S	Nasal mask, vented, small
NIV042M	Nasal mask, vented, medium
NIV042L	Nasal mask, vented, large
NIV044S	Nasal mask, non-vented with AAV, small
NIV044M	Nasal mask, non-vented with AAV, medium
NIV044L	Nasal mask, non-vented with AAV, large



AirLife[®] noninvasive ventilation full face mask

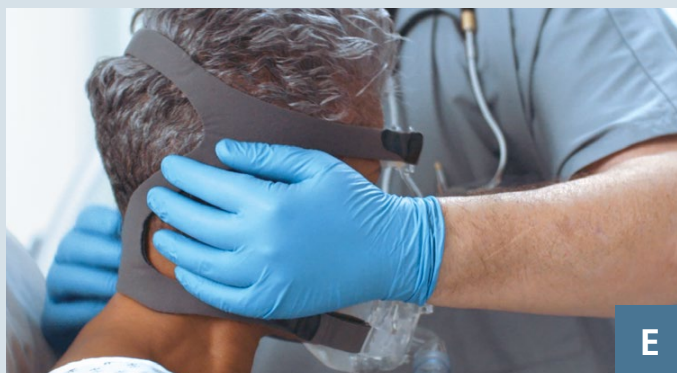
Step-by-step application guide

Follow these instructions to properly secure the *AirLife*[®] noninvasive ventilation (NIV) full face mask.

1. Remove the mask and headgear from the packaging.
2. Disconnect one or both of the headgear buckles from the mask.
3. Place the headgear over the patient's head and adjust the upper headgear straps to a comfortable tension. *(A)*
4. Hook the plastic buckle(s) onto the mask frame. *(B)*
5. Adjust the upper headgear straps to a comfortable tension. *(C)*
6. Adjust the lower headgear straps to a comfortable tension. *(D)*
7. Ensure the overhead strap is in the proper position to avoid slippage. *(E)*
8. Adjust the forehead pad by squeezing the fins at the top of the mask. Proper adjustment aids in mask stability and minimises pressure points. *(F)*
9. Connect the circuit and begin NIV therapy.
10. Check for excessive leaks and adjust the fit of the mask as necessary.

To take the mask off the patient, disconnect one or both buckles from the mask and remove.





The flexible swivel elbow of the AirLife NIV mask reduces the torque applied to the seal between the mask and patient, helping to minimise pressure points.

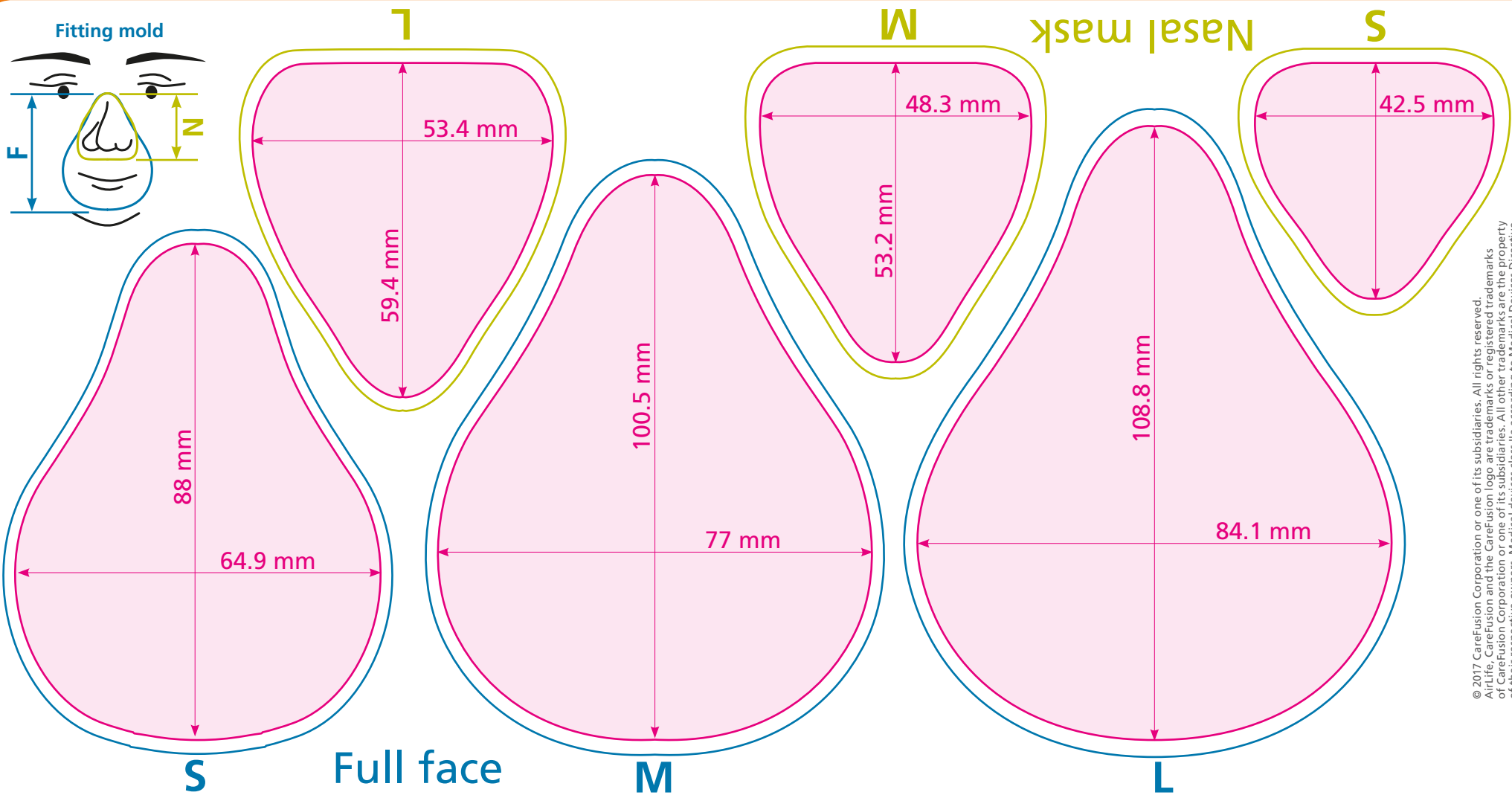


Mask not flexed



Mask flexed

Please refer to the *Directions for Use* for detailed instructions, cautions and warnings about this product.



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Sterile Water for Humidification

AirLife® Solutions In Flexible Containers

The closed system design of these flexible solution bags helps minimize the possibility of contamination to your patients. When solution bags are attached to the appropriate feed sets, replenishing of empty nebulizers and refilling of chambers are simplified. The easy one-step setup offers convenience and reduces patient interruptions. The solution bags contain sterile water for inhalation, USP.

Cat. No.	Size (mL)	Qty. Cs
2D0735XG	1000	14
2D0737G	2000	6



Solutions left to right: 2D0737G, 2D0735XG

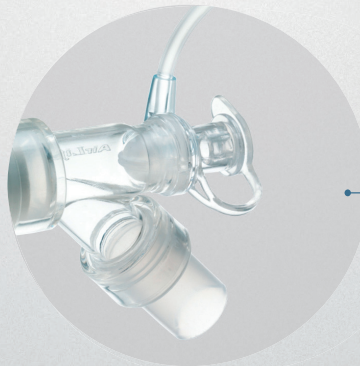
AirLife[®] closed suction system

Living, breathing
innovation to
improve ventilated
patient outcomes



Advancing closed suction technology to reduce the occurrence of lung de-recruitment

The AirLife® closed suction system is designed to provide safe and simple access to a ventilated patient's airway. Clinicians understand that disconnecting or "breaking" the ventilator circuit can lead to lung de-recruitment and hypoxemia, and can also create the potential for cross-contamination. The system features the Verso™ airway access adapter and its pucker valve technology that seals the patient's airway from the access port to maintain safe, continuous ventilation while you perform airway access procedures.



Pucker valve technology helps maintain safe, continuous ventilation during procedures.

Connecting ventilator product solutions to help promote safety and versatility

The AirLife closed suction system is a multi-purpose device made up of modular components, helping to keep your patients safer than traditional closed suction catheters.

Providing safety

- The Verso adapter allows clinicians to perform closed suction catheter change-outs and various airway access procedures through a single port without disconnecting the circuit.
- The pucker valve technology seals the patient's airway from the access port to maintain safe, continuous ventilation while airway access procedures are performed.
- The Verso adapters and closed suction catheters are made without DEHP.

Delivering versatility

- The Verso multi-purpose, airway access adapter allows for numerous uses: closed suction, open suction, bronchoscopic procedures, Mini-BALs, and instilled drug delivery.
- The swivel option on the Verso adapter provides more flexibility when repositioning the patient.
- Surfactant delivery catheters can be connected without disconnecting the patient from the circuit.

Reducing costs through utilization

Verso adapters are approved for use up to seven days, and the catheters are approved for use up to 72 hours. The two-piece, AirLife closed suction system allows clinicians to replace only the catheter when needed, rather than both adapter and catheter, as required by other closed suction systems. ***This saves both time and expense.***



CSC100



CSC400



CSC500



CSC110



CSC114

Adult/Pediatric products

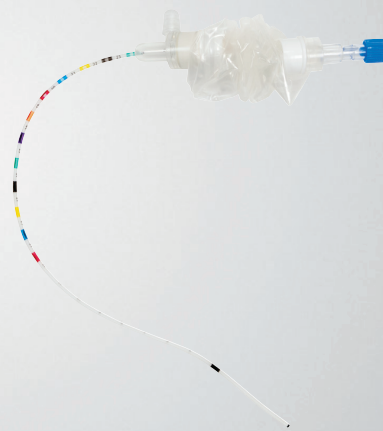
Description	Order no.	Qty. (cs.)
Adapters		
Verso adult/pediatric airway access adapter	CSC100	20
Verso 90 adult/pediatric airway access adapter	CSC400	20
Verso T adult/pediatric airway access adapter	CSC500	20
Closed suction catheters for use with Verso airway access adapters		
10 Fr catheter	CSC110	50
12 Fr catheter	CSC112	50
14 Fr catheter	CSC114	50
16 Fr catheter	CSC116	50
14 Fr directional-tip catheter	CSC114D	50
10 Fr tracheostomy-length catheter	CSC110T	50
12 Fr tracheostomy-length catheter	CSC112T	50
14 Fr tracheostomy-length catheter	CSC114T	50
16 Fr tracheostomy-length catheter	CSC116T	50



CSC300



CSC600



CSC205S

Neonatal/Infant products

Description	Order no.	Qty. (cs.)
Adapters		
Neo-Verso™ 'Y' neonatal/infant airway access adapter	CSC300	20
Neo-Verso neonatal airway access adapter w/swivel	CSC600	20
Closed suction catheters for use with Neo-Verso airway access adapters		
5 Fr catheter	CSC205	50
6 Fr catheter	CSC206	50
7 Fr catheter	CSC207	50
8 Fr catheter	CSC208	50
Specialty catheters for use with Neo-Verso airway access adapters		
5 Fr fluid/access catheter	CSC205S	50



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