

AVEA™ ventilators

Vyaire recommends this as guidance how to use our ventilators and take following steps to avoid infection and contamination:

- Please follow the [WHO guidelines](#) to prevent epidemic and pandemic infections from spreading
- Please follow the instructions for use for Vyaire (AVEA) ventilators at www.vyaire.com/Covid-19
- Please follow the cleaning and disinfection instructions for www.vyaire.com/Covid-19
- Always use an inspiratory bacteria filter (www.vyaire.com/Covid-19) to protect the inspiratory side from contamination.
- The expiratory valve outlet incorporates a heated filter. There are reusable and single patient use filter/water trap options.
 - Aveda disposable expiratory filter/water trap (*Part number: 11790*)
 - HEPA filtration element filters the expired gas to 0.3 microns
 - 99.999% Viral & Bacterial Filtration Efficacy (VFE/BFE)
 - 60% lower flow resistance than the reusable configuration
 - Single-patient-use reduces risk of process variability
- When patients who are actively humidified please use a bacterial filter on the inspiratory connector. There is no need to connect a bacterial filter between circuit and the expiratory block of the ventilator.
- Single-use consumables, such as breathing circuits, flow sensors (where necessary), airway adapters, and filters, can help to mitigate to cross contamination when the ventilator is reprocessed for use of the next patient. A list of consumables suitable for www.vyaire.com/Covid-19 is available on the Vyaire website
- When reusable materials are in use follow the hospital, manufacturers or the [WHO guidelines](#) for reprocessing these items
- For suctioning patients please use a closed suction system like the [Verso](#) to prevent cross contamination
- Disinfect the outer surfaces of the ventilators regularly during ventilation or after treatment of a patient with a suitable registered disinfectant. Consult the infection control team in your facility regarding the appropriate disinfectant or follow the instructions for use of the ventilator
- When using the suction tool on AVEA, ventilation will stop automatically when disconnected to prevent distribution of patient secretion.



Consumables for AVEA ventilators

The below products have not been validated for use specifically with the AVEA

Circuits for NIV, Adult & Pediatric, active humidification, single patient use

AH202	Single-limb, heated wire 5' with AH290 chamber, dry gas line 10 PE
AH102	Adult single-limb heated 5' circuit with dry gas line, 10 PE
AH290	Humidification chamber, 10/cs

Circuits for invasive ventilation and NIV and HFOT, active humidification, single patient use

AH280	Dual-limb, dual-heat, 5' circuit with AH290 chamber, dry gas line 10 PE
AH180	Dual-limb, dual-heat, 5' circuit with dry gas line, 10 PE
AH290	Humidification chamber, 10/CS

Circuits for Neonatal and Infants, single patient use

AH265	Dual-limb, dual-heat, 4' high-flow infant circuit with AH290
AH165	Dual-limb, dual-heat, 4' high-flow infant circuit, pressure line
AH290	Humidification chamber, 10/cs

NIV masks full face, single patient use

NIV041L	Mask, NIV Full Face, Non-Vented, Large
NIV043L	Mask, NIV Full Face, Non-Vented, Large with AAV
301.815.200	Full Face Mask (<i>Adult, Large, Single-Patient, 10/pk</i>)
NIV041M	Mask, NIV Full Face, Non-Vented, Medium
NIV043M	Mask, NIV Full Face, Non-Vented, Medium with AAV
301.815.100	Full Face Mask (<i>Adult, Medium, Single-Patient, 10/pk</i>)
NIV041S	Mask, NIV Full Face, Non-Vented, Small
NIV043S	Mask, NIV Full Face, Non-Vented, Small with AAV
301.815.000	Full Face Mask (<i>Adult, Small, Single-Patient, 1 pack=10pc</i>)

NIV masks full face, reusable

301.817.000	Non-Vented Full Face Mask (<i>Adult, Small, Reusable, 1pc</i>)
301.817.100	Non-Vented Full Face Mask (<i>Adult, Medium, Reusable, 1pc</i>)
301.817.200	Non-Vented Full Face Mask (<i>Adult, Large, Reusable, 1pc</i>)

Endotracheal closed suction adapters

CSC100	Adapter Verso Adult/Ped 45°, double swivel elbow
CSC400	Adapter Verso Adult/Ped 90° elbow
CSC500	Adapter Verso Adult/Ped, T-piece, no swivel
CSC110	Catheter 10fr closed, 50/cs
CSC112	Catheter 12fr closed, 50/cs
CSC114	Catheter 14fr closed, 50/cs
CSC116	Catheter 16fr closed, 50/cs

Filters & HMEF

Bacterial Filters

557021200	Filter Engström, 45/pk
557022500	Filter Uni-filter with Gas source port, 60/pk

Heat Moisture Exchangers with Filter (HMEF)

M1038637	HMEF 1000 without sampling port, 50/pk
557070100	HMEF 1000/S with gas sampling port, 50/pk
557071500	HMEF 1000 with GSP and Flextube, 30/pk
557071600	HMEF 1000 with Flextube, 30/pk
557085500	HMEF 1000 with Memoflex, 40/pk
M1010534	HMEF 1000/S angled with GSP, 50/cs
8004231	HMEF MINI with GSP, 50/pk

Please note:

All filters, HMEs and HMEFs must be routinely changed. The primary reason for this is to minimize the risk of microbial growth inside the filter/HMEF. The filter/HMEF should be changed after every patient or every 24 hours when used continuously on the same patient. The filter/HMEF should be changed earlier when Filters should always be replaced immediately upon detection of moisture on the machine side of the filter media, even if they have been in use less than 24 hours

REFERENCES

1. https://apps.who.int/iris/bitstream/handle/10665/112656/9789241507134_eng.pdf?sequence=1&isAllowed=y

Additional sources:

World Health Organization. (2020). Clinical management of severe acute respiratory infection when novel coronavirus (nCoV) infection is suspected. Who, 2019 (January), 12. Retrieved from [https://www.who.int/internal-publications-detail/clinical-management-of-severe-acute-respiratory-infection-when-novel-coronavirus-\(ncov\)-infection-is-suspected%0A](https://www.who.int/internal-publications-detail/clinical-management-of-severe-acute-respiratory-infection-when-novel-coronavirus-(ncov)-infection-is-suspected%0A)

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