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Trilogy Evo platform COVID-19 example circuit configurations

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The following circuit presentation relates to the Trilogy Evo platform including: Trilogy Evo, Trilogy Evo O2, Trilogy Evo Universal and Trilogy EV300

These circuit set-ups and accessories are examples provided for information purposes only as not all have been validated for use with the Trilogy Evo platform devices. A healthcare provider must determine which, if any, they would use to treat COVID-19 patients that require filtration of exhaled gases. However, the patient interfaces are intended for use with positive pressure therapy.

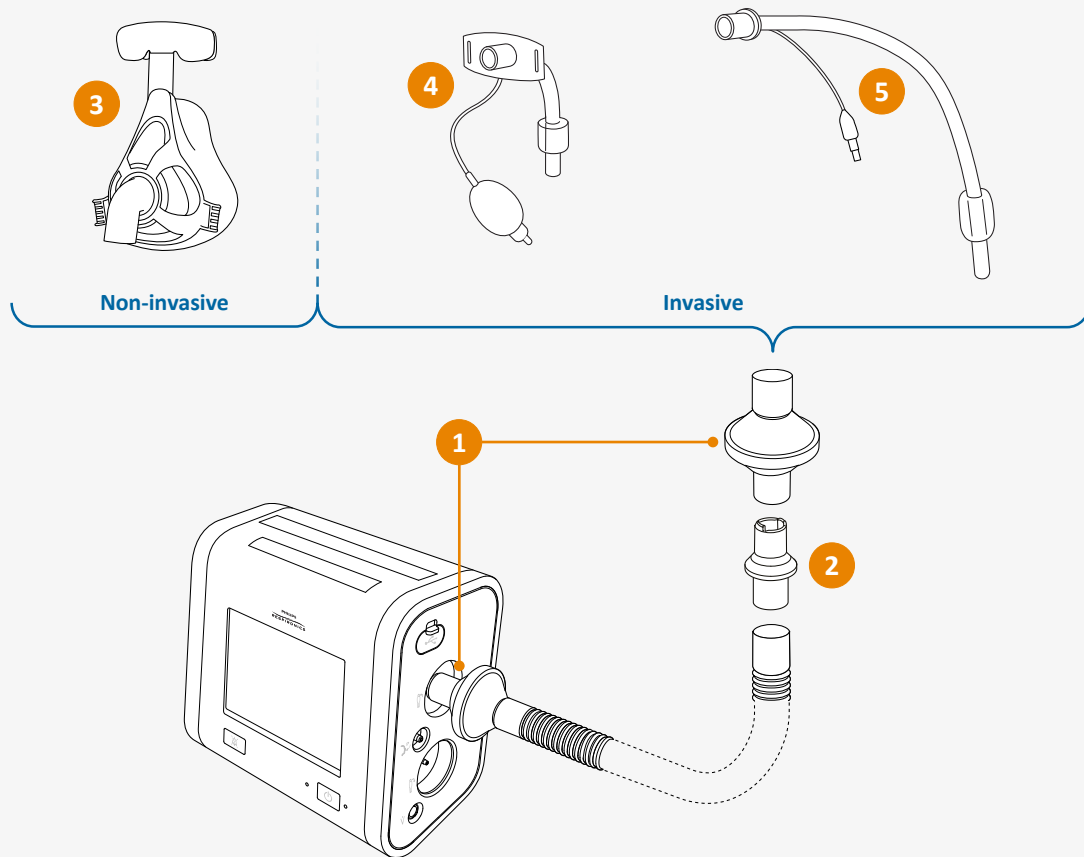
Refer to the Trilogy Evo Accessory's Guide for the comprehensive list of approved accessories.

For Trilogy Evo training: quick start guides, modules, videos, and white papers, please go to:
<https://www.learningconnection.philips.com/en/trilogyevo-education>

Passive circuit:

Option 1

- 1 Bacteria/Viral filter
- 2 Exhalation leak port
- 3 Non-vented (without integrated leak) NIV mask
- 4 Tracheostomy tube (trach adapter not shown and optional to connect to circuit)
- 5 Endotracheal Tube (ETT) (trach adapter not shown and optional to connect to circuit)

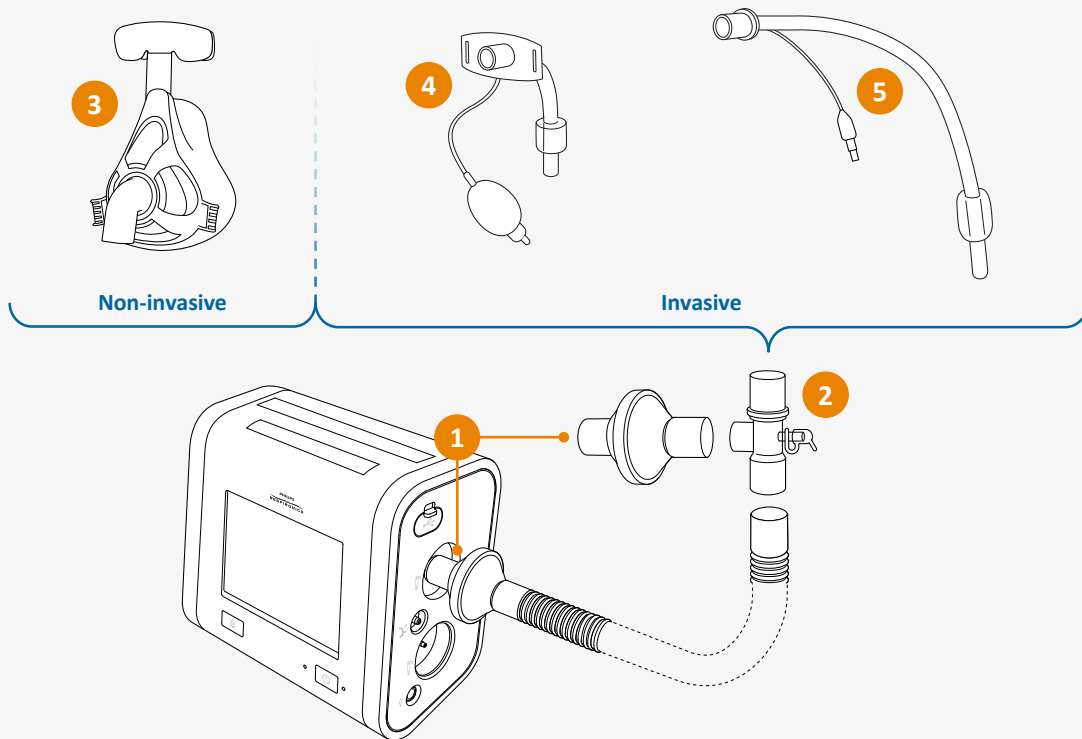


With this option, if limited supply of filters the one at the device outlet could be omitted as long as the filter between the interface and leak port remains.

Passive circuit:

Option 2

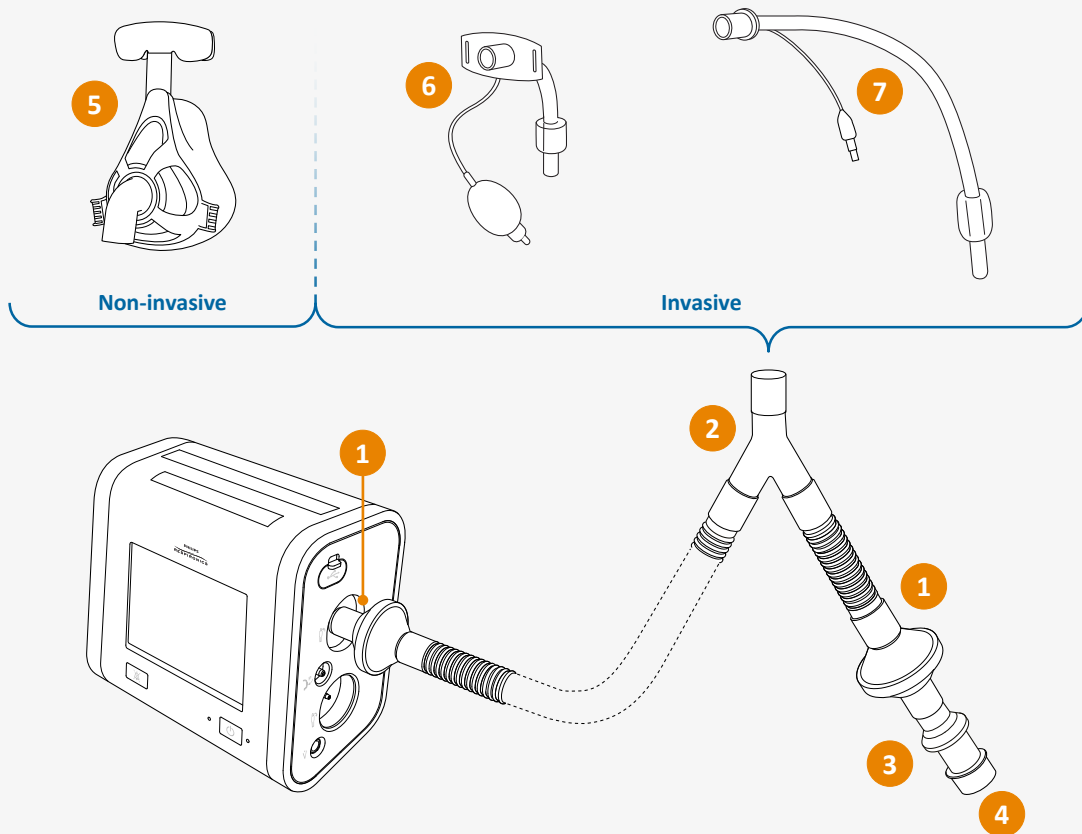
- 1 Bacteria/Viral filter
- 2 FEP exhalation leak port
- 3 Non-vented (without integrated leak) NIV mask
- 4 Tracheostomy tube
(trach adapter not shown and optional to connect to circuit)
- 5 Endotracheal Tube (ETT)
(trach adapter not shown and optional to connect to circuit)



Passive circuit:

Option 3 – J circuit

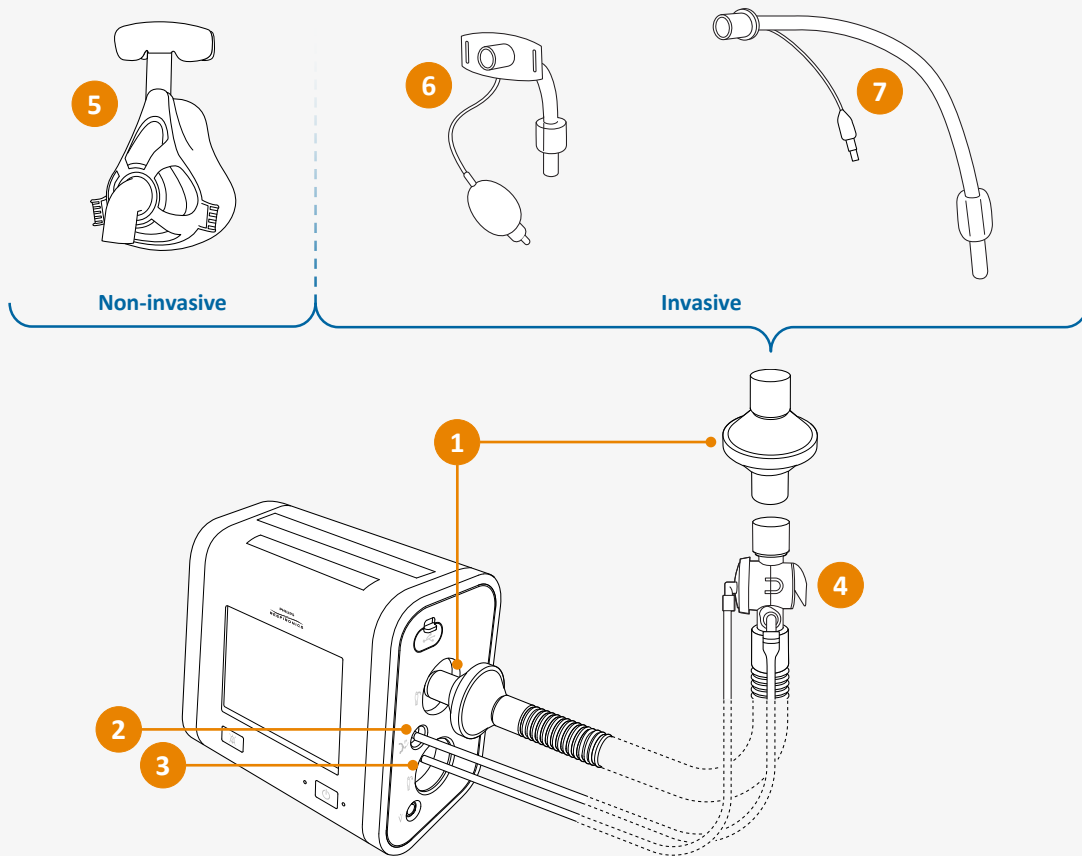
- 1 Bacteria/viral filter
- 2 Wye (Y) connector
- 3 Exhalation leak port
- 4 End cap
- 5 Non-vented (without integrated leak) NIV mask
- 6 Tracheostomy tube (trach adapter not shown and optional to connect to circuit)
- 7 Endotracheal Tube (ETT) (trach adapter not shown and optional to connect to circuit)



Active PAP circuit:

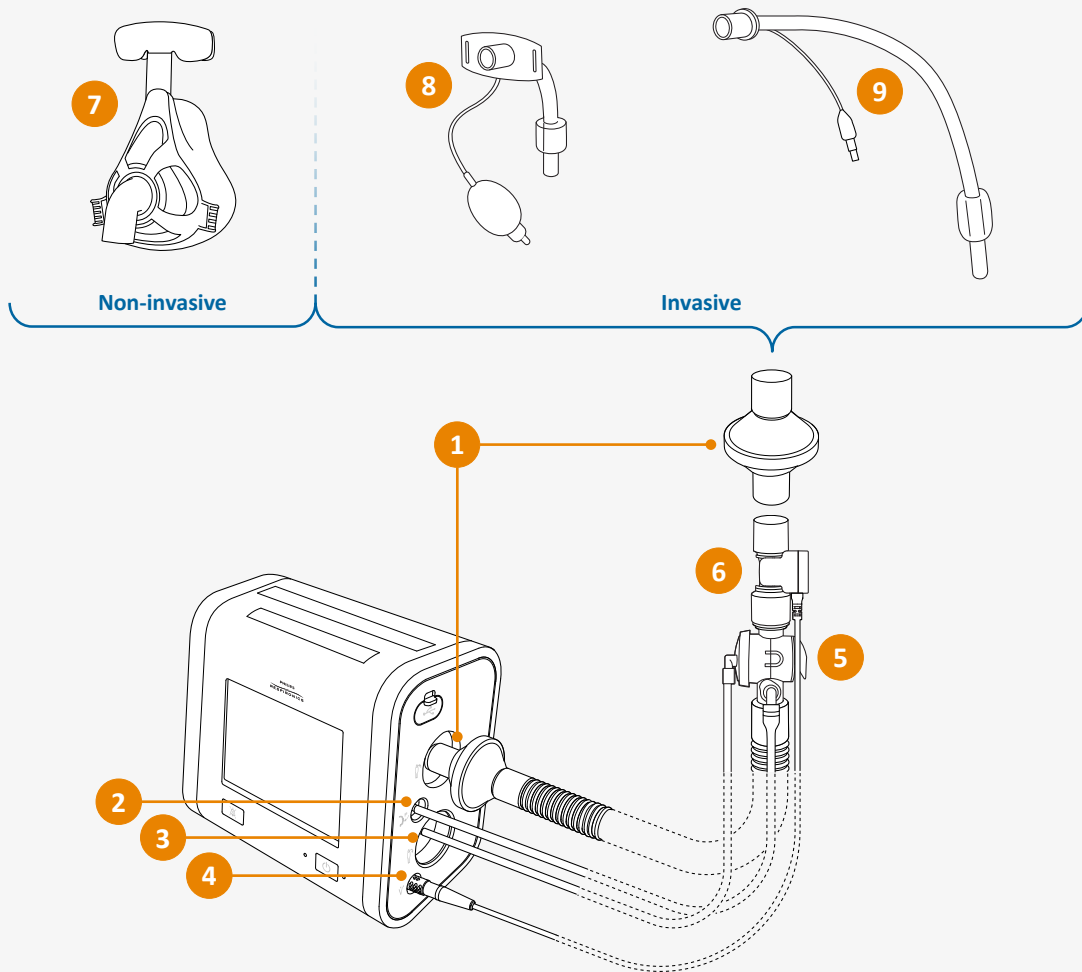
Option 1

- 1 Bacteria/Viral filter
- 2 Proximal pressure line
- 3 Active exhalation valve line
- 4 ActivePAP circuit
- 5 Non-vented (without integrated leak) NIV mask
- 6 Tracheostomy tube (trach adapter not shown and optional to connect to circuit)
- 7 Endotracheal Tube (ETT) (trach adapter not shown and optional to connect to circuit)



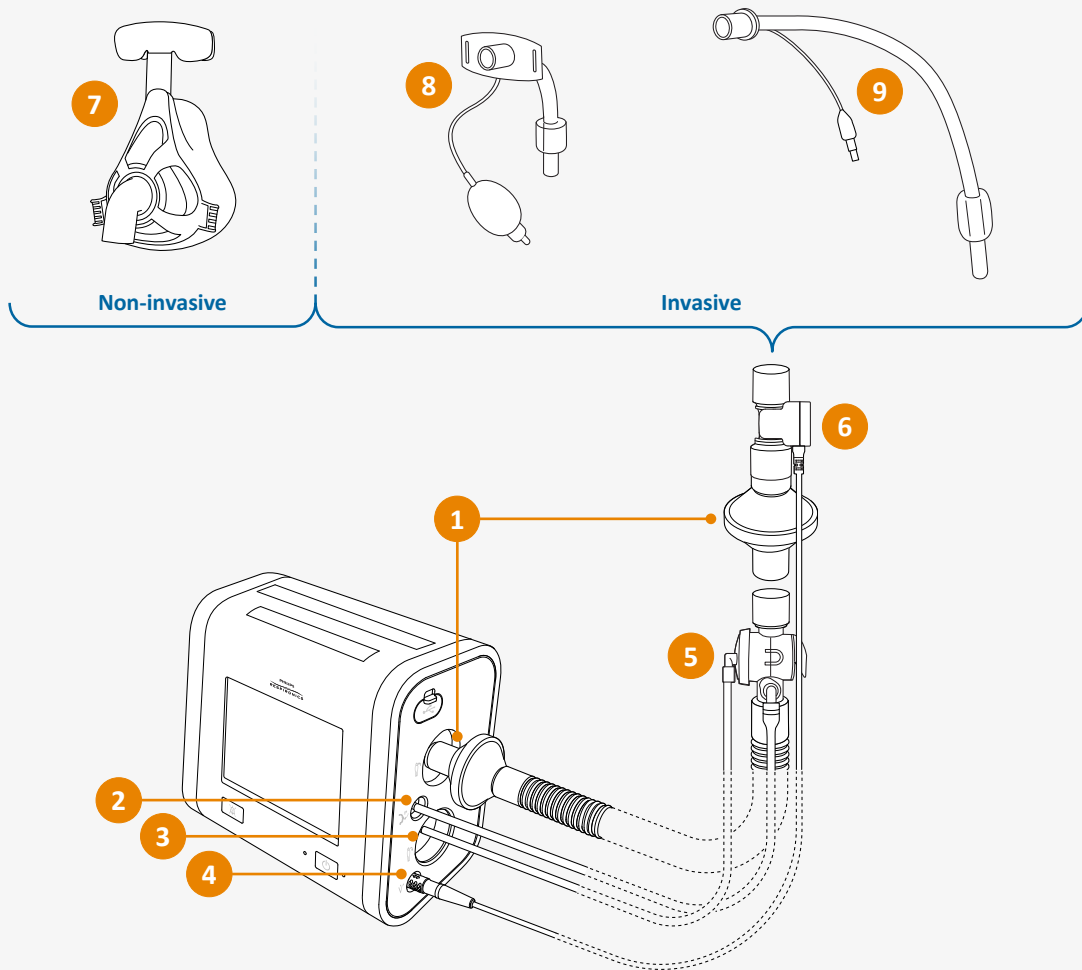
Active Flow circuit: Option 1 – filter after the EFS

- 1 Bacteria/Viral filter
- 2 Proximal pressure line
- 3 Active exhalation valve line
- 4 Flow sensor cable
- 5 Active flow circuit
- 6 Flow sensor (EFS)
- 7 Non-vented (without integrated leak) NIV mask
- 8 Tracheostomy tube (trach adapter not shown and optional to connect to circuit)
- 9 Endotracheal Tube (ETT) (trach adapter not shown and optional to connect to circuit)



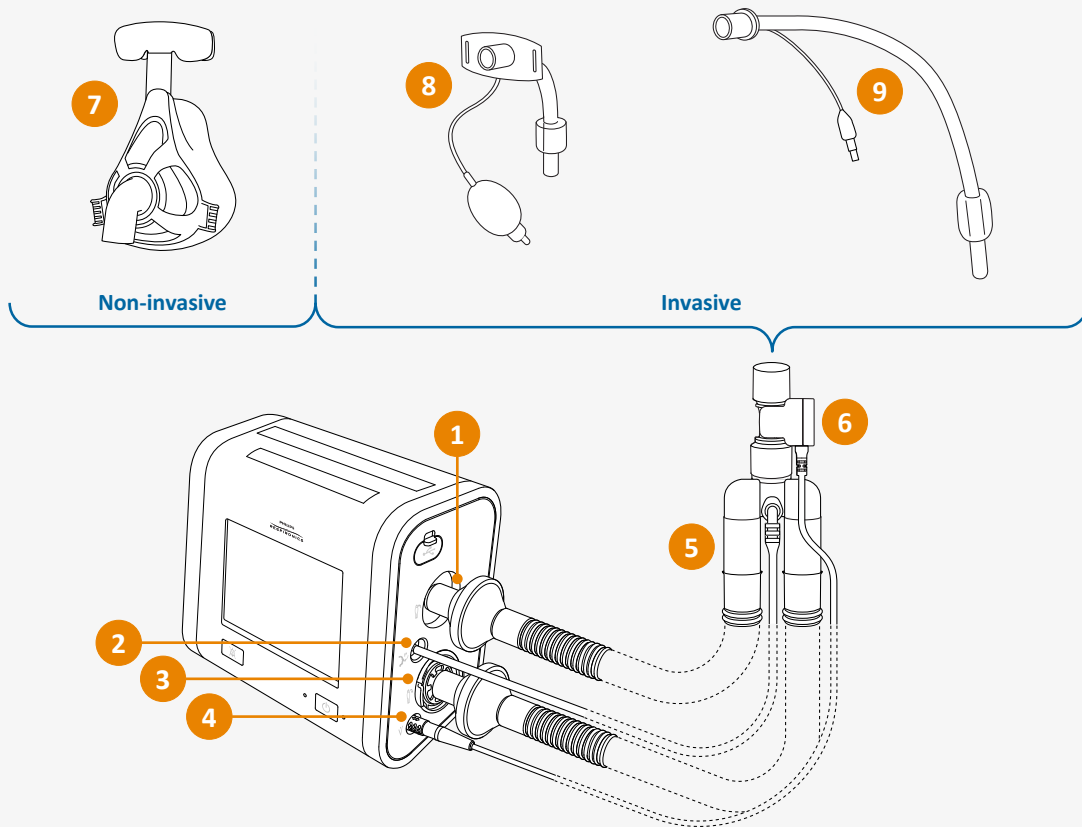
Active Flow circuit: Option 2 – filter before the EFS

- 1 Bacteria/Viral filter
- 2 Proximal pressure line
- 3 Active exhalation valve line
- 4 Flow sensor cable
- 5 Active flow circuit
- 6 Flow sensor (EFS)
- 7 Non-vented (without integrated leak) NIV mask
- 8 Tracheostomy tube (trach adapter not shown and optional to connect to circuit)
- 9 Endotracheal Tube (ETT) (trach adapter not shown and optional to connect to circuit)



Dual Limb circuit: Option 1

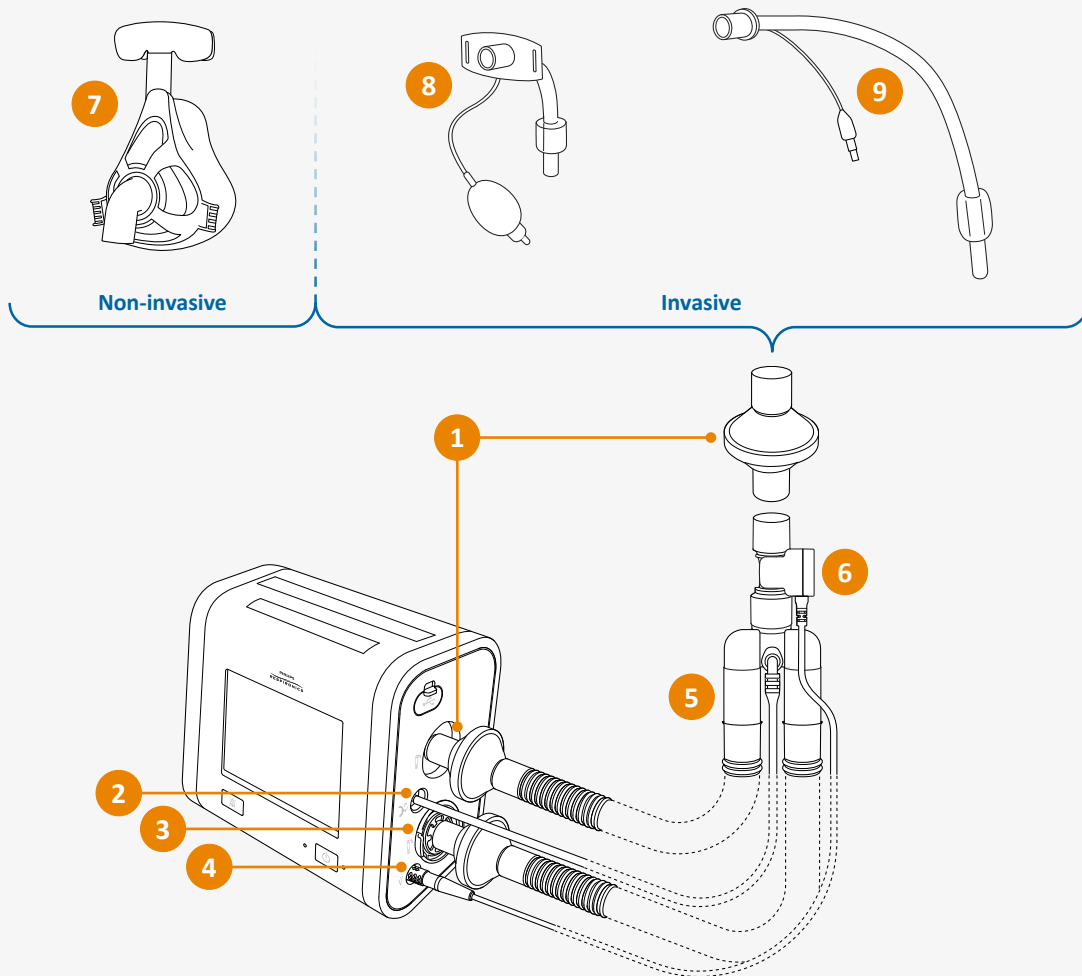
- 1 Bacteria/Viral filter
- 2 Proximal pressure line
- 3 Dual Limb active exhalation valve
- 4 Flow sensor cable
- 5 Dual limb circuit
- 6 Flow sensor (EFS)
- 7 Non-vented (without integrated leak) NIV mask
- 8 Tracheostomy tube (trach adapter not shown and optional to connect to circuit)
- 9 Endotracheal Tube (ETT) (trach adapter not shown and optional to connect to circuit)



Dual Limb circuit:

Option 2 – extra filter after the EFS

- 1 Bacteria/Viral filter
- 2 Proximal pressure line
- 3 Dual Limb active exhalation valve
- 4 Flow sensor cable
- 5 Dual limb circuit
- 6 Flow sensor (EFS)
- 7 Non-vented (without integrated leak) NIV mask
- 8 Tracheostomy tube (trach adapter not shown and optional to connect to circuit)
- 9 Endotracheal Tube (ETT) (trach adapter not shown and optional to connect to circuit)



Circuit and Accessories Part Numbers (some examples)

Bacteria/Viral filters	PN	Tubing	PN
Bacteria/viral filters, 10/pk	342077	Passive circuit: 22mm with swivel exhalation, non-heated, smooth bore, 10/pk	1132340
Exhalation ports			
Disposable swivel exhalation port, 10/pk	1139909	Passive circuit (option 2 in presentation), 22mm FEP with main flow and exhalation filter (remove prox. pressure line and cap it prior to use), 10/pk	1065830
Disposable filtered exhalation port with cap (FEP), 10/pk	1065775	Active circuit: 22mm with disposable AEV, non-heated, smooth core, 10/pk	1132344
Disposable fixed exhalation port (DEP), 10/pk	312149	Dual Limb Circuit: 22mm non-heated, 10/pk	1127306
Reusable Whisper Swivel II, 1/pk	332113	Flow sensors (for active flow and DL)	
Dual Limb AEV (for dual limb circuit only) 1/pk	1132110	Flow sensor accessory with cable (adult/ped), re-usable	1132106
Trach Adaptor and HME		Flow sensor cable, re-usable	1134952
Trach Adaptor with 22mm connection, 10/pk	1073902	Flow sensor (adult/ped), re-usable	1134711
Airlife HME (adult), 1/pk	CO6274		

If using a J circuit and need end caps – these sometimes come with circuits otherwise can be sourced locally. Some options include:

<https://www.mocap.com/mocap-plastic-caps.html>

<https://www.caplugs.com/plugs?pagesize=25&pagenumber=2>

