Trilogy Evo platform COVID-19 example circuit configurations
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. Active PAP 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)

<table>
<thead>
<tr>
<th>Bacteria/Viral filters</th>
<th>PN</th>
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<tbody>
<tr>
<td>Bacteria/viral filters, 10/pk</td>
<td>342077</td>
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### Exhalation ports

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>Disposable swivel exhalation port, 10/pk</td>
<td>1139909</td>
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<tr>
<td>Disposable filtered exhalation port with cap (FEP), 10/pk</td>
<td>1065775</td>
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<tr>
<td>Disposable fixed exhalation port (DEP), 10/pk</td>
<td>312149</td>
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<tr>
<td>Reusable Whisper Swivel II, 1/pk</td>
<td>332113</td>
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<tr>
<td>Dual Limb AEV (for dual limb circuit only) 1/pk</td>
<td>1132110</td>
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### Trach Adaptor and HME

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Trach Adaptor with 22mm connection, 10/pk</td>
<td>1073902</td>
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<tr>
<td>Airlife HME (adult), 1/pk</td>
<td>CO6274</td>
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### Tubing

<table>
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<th>Description</th>
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<tr>
<td>Passive circuit: 22mm with swivel exhalation, non-heated, smooth bore, 10/pk</td>
<td>1132340</td>
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<tr>
<td>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</td>
<td>1065830</td>
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<tr>
<td>Active circuit: 22mm with disposable AEV, non-heated, smooth core, 10/pk</td>
<td>1132344</td>
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<tr>
<td>Dual Limb Circuit: 22mm non-heated, 10/pk</td>
<td>1127306</td>
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### Flow sensors (for active flow and DL)

<table>
<thead>
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<th>Description</th>
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<tbody>
<tr>
<td>Flow sensor accessory with cable (adult/ped), re-usable</td>
<td>1132106</td>
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<tr>
<td>Flow sensor cable, re-usable</td>
<td>1134952</td>
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<tr>
<td>Flow sensor (adult/ped), re-usable</td>
<td>1134711</td>
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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.mocap.com/mocap-plastic-caps.html) [https://www.caplugs.com/plugs?pagesize=25&pagenumber=2](https://www.caplugs.com/plugs?pagesize=25&pagenumber=2)