

One ventilator for two patients: feasibility and considerations of a last resort solution in case of equipment shortage

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Supplementary material

Circuit composition:

- **2 HME filters on the expiratory branch after the T connector.**

Antimicrobial filter for machine protection.

Junctions: 22F - 22M/15F.

Flow resistance at 60 L/min: 3 cmH₂O

- **2 HME filters (one before each patient).**

Antimicrobial filter for patient humidification and protection.

Junctions: 22F / 15M - 22M/15F.

Flow resistance at 60 L/min: 3 cmH₂O

- **2 T rigid connector (one for the inspiratory and one for expiratory port of ventilator).**

Junctions: 22M - 22F - 22M

(Alternatively: 2 T connectors 22M - 22M - 22M plus two 22F - 22F adaptors)

- **Respiratory circuit 1,8mt**

Adult circuit for ventilation and anesthesia.

Junctions: 22M/15F on patient's side; 22F on ventilator's side.