



## Bacterial/Viral Filter with Luer Lock Port

Revision date: 24/11/2021  
Revision number: 00/ Nov 2021

### Instructions for Use

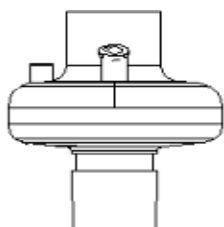
**REF** INQANS202000

#### Intended use:

Bacterial filter is a dedicated filter designed for use in breathing systems in anesthesia and intensive care, for the protection of the patient, hospital personnel and the equipment from potential microbial contamination.

#### Structure and Components:

The device consists of upper cover, bottom cover, luer lock port, filtering membrane.



#### Product Features:

For product features and further information, please consult the manufacturer or your local sales company.

#### Directions for Use:

1. The filter can connect to the patient end or machine end of breathing circuits.
2. The sampling port should be toward the ventilator.
3. When the patients need a nebulization treatment or aerosol treatment, please remove the filter from the breathing circuits.
4. It is necessary to connect the humidifier (humidifier chamber) to humidify the pathway gas, and necessary to filter the ventilated gas, it is recommended to connect the filter to the machine end of the breathing circuits (the outlet of ventilator).

#### Contra-indications:

1. Do not use on patients with heavy respiratory secretions, bloody secretions or strong cough reactions.
2. Do not use on patients with basal body temperature below 32°C.
3. Do not use on patients with a low tidal volume, as the added dead space may cause CO<sub>2</sub> (carbon dioxide) retention at too low tidal volume.

**Transport and Storage:**

Keep away from high pressure and sunlight and keep dry during transportation. The storage conditions: relative humidity should be less than 80%, a temperature of 5~40°C, shady and cool, dry, clean, draughty, no corrosive gas.

**Precautions:**

1. Do not use if the device is damaged or the unit packaging for product is damaged or opened.
2. Do not use if product is beyond the date of expiry.
3. For single patient use only.
4. The end marked "PATIENT SIDE" of the filter shall be the patient end.
5. The sampling port should be in a closed state unless sampling.
6. Recommend replacing the filter once every 72 hours.

**Warnings:**

1. Do not reuse, reprocess, or re-sterilize this medical device. Reuse, reprocessing, or re-sterilization may:
  - a. adversely affect the known biocompatibility characteristics of the device.
  - b. compromise the structural integrity of the device.
  - c. lead to the device not performing as intended.
  - d. create a risk of contamination and cause the transmission of infectious diseases resulting in patient injury, illness, or death.
2. The used product should be properly disposed according to the local legislations.

**Legal manufacturer:**

Global SCP Medical Systems Pte. Ltd., Singapore



## Heat Moisture Exchange Filter (HMEF) with Luer Lock Port

Revision date: 24/11/2021  
Revision number: 00/ Nov 2021

### Instructions for Use

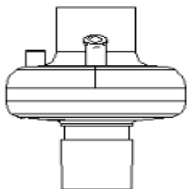
**REF** INQANS202001

#### Intended use:

HMEF is a dedicated filter designed for use in breathing systems in anesthesia and intensive care, for the protection of the patient, hospital personnel and the equipment from potential microbial contamination.

#### Structure and Components:

The device consists of upper cover, bottom cover, luer lock port, filtering membrane, heat and moisture exchange membrane.



#### Product Features:

For product features and further information, please consult the manufacturer or your local sales company.

#### Directions for Use:

1. For HMEF, one end with the endotracheal tube or close contact with the mask, the other end and the breathing circuit Y-piece tightly connected.
2. For HMEF, sampling port should be toward the ventilator.
3. If give the patient for nebulizer treatment, please remove the HMEF to prevent HMEF excessive water from blocking airway ventilation.
4. If breathing circuit has been connecting to a humidifier chamber for gas humidification, please do not use HMEF to avoid HME excessive water from blocking airway ventilation.

#### Contra-indications:

1. The patient whose airway has been humidified with heating humidifier shall not be combined with the use of HMEF.
2. The patient receiving low-dose nebulizer treatment with respiratory circuits shall not use HMEF.
3. Do not use on patients with heavy respiratory secretions, bloody secretions or strong cough reactions.
4. Do not use on patients with basal body temperature below 32°C.
5. Do not use on patients with a low tidal volume, as the added dead space may cause CO<sub>2</sub> (carbon dioxide) retention at too low tidal volume.

#### Transport and Storage:

Keep away from high pressure and sunlight and keep dry during transportation. The storage conditions: relative humidity should be less than 80%, shady and cool, dry, clean, draughty, no corrosive gas.

**Precautions:**

1. Do not use if the device is damaged or the unit packaging for product is damaged or opened.
2. Do not use if product is beyond the date of expiry.
3. For single patient use only.
4. For HMEF, the sampling port should be in a closed state unless sampling.
5. In the course of the use, when a sharp pressure drops, or an air flow resistance increase are found in HMEF, the HMEF should be timely replaced.
6. Pay attention to the direction of HMEF, the HM membrane should be faced to patient.
7. Recommend replacing HMEF at least once every 48 hours.

**Warnings:**

1. Do not reuse, reprocess, or re-sterilize this medical device. Reuse, reprocessing, or re-sterilization may:
  - a. adversely affect the known biocompatibility characteristics of the device.
  - b. compromise the structural integrity of the device.
  - c. lead to the device not performing as intended.
  - d. create a risk of contamination and cause the transmission of infectious diseases resulting in patient injury, illness, or death.
2. The used product should be properly disposed according to the local legislations.

**Legal manufacturer:**

Global SCP Medical Systems Pte. Ltd., Singapore