

F Sterilization

Instrumentation Industries, Inc. Single Patient Use products are intended to be discarded after one use on one single patient.

As these products are packaged as 'Not Sterile', processing is recommended for most Single Patient Use products prior to usage.

If the device is accidentally contaminated before or after processing (e.g. it is dropped onto the floor), a thorough pre-washing of device is necessary to remove foreign and/or organic contaminants.
Use a low-alkaline soap (pH 8.5 or less).

Sterilization:

STERIS V-Pro® Sterilizers:

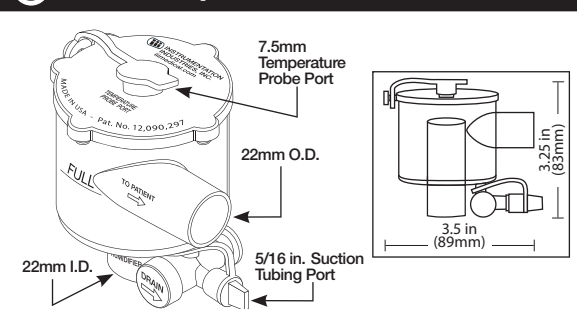
Sterilization can be performed with:

- V-PRO® 1 Low Temperature Sterilization System Standard Cycle.
- V-PRO® 1 Plus Low Temperature Sterilization System Lumen and Non Lumen Cycles.
- V-PRO® maX Low Temperature Sterilization System Lumen, Non Lumen and Flexible Cycles.
- V-PRO® maX 2 Low Temperature Sterilization System Lumen, Non Lumen, Flexible and Fast Non Lumen Cycles.
- V-PRO® 60 Low Temperature Sterilization System Lumen, Non Lumen, and Flexible Cycles.
- V-PRO® s2 Low Temperature Sterilization System Lumen, Non Lumen, Flexible and Fast Cycles.

Critical Information:

Devices must be cleaned, rinsed and dried in accordance with the instruction for use of the sterilizers. Refer to STERIS's Operator Manual for proper operation of the unit and cycle selection.

G Product Specifications



Model #	HG 100
Type:	Humidifier Guard
Use:	Single Patient Use
Materials:	
Body:	Polycarbonate
Caps:	Thermoplastic Elastomer
Color:	Clear
Inlet Port:	22mm I.D.
Outlet Port:	22mm O.D.
Suction Port:	5/16 in. O.D.
Temperature Probe Port:	7.5mm I.D.
Dimensions:	
Height:	3.25 in. (83mm)
Width:	3.5 in. (89mm)
Packaged:	Sold in Packages of 5 & 10



Visit iiimedical.com/symbols.pdf for the Glossary of Symbols used in Instrumentation Industries, Inc. labeling.

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 **Instrumentation Industries, Inc.**

Humidifier Guard

Installation and Usage Directions



HG 100

Single Patient Use

- Not made with Natural Rubber Latex
- Not made with Di(2-ethylhexyl) phthalate (DEHP)

Made in USA!
Pat. No. 12,090,297

9-24



A Intended Use

The Single Patient Use HG 100 Humidifier Guard is designed for use with humidifiers within ventilator circuits. This device allows for the safe removal of condensation and patient secretions that have accumulated in the inspiratory limb of a ventilator circuit. The HG 100 Humidifier Guard protects the humidifier by allowing these liquids to be collected in the device and then be easily removed by suction when necessary.

B Contraindications

None known.

C Notes & Cautions

- The HG 100 Humidifier Guard is designed for **Single Patient Use**. It must be discarded after use on a single patient.
- The HG 100 Humidifier Guard **CANNOT** be used during any type of Magnetic Resonance Imaging (MRI) as some parts of the assembly are magnetic.
- Ensure that all device connections are secure.
- Set up HG 100 Humidifier Guard with a connected closed suctioning system as shown in the installation directions. Emptying the HG 100 Humidifier Guard by gravity (without connected suction) is not recommended. It could introduce valve occlusion and bio-hazard risks.
- Ensure that the Heated Ventilator Circuit is not connected to the HG 100 Humidifier Guard with the tubing oriented downward, which could cause poor drainage. Orient the circuit with the tubing parallel to the floor or pointing upward slightly.
- Empty device periodically. The HG 100 Humidifier Guard is designed to prevent condensation/patient secretions from entering the Humidifier, but overflow may occur if the fluid goes above the "FULL" line (40ml).
- To avoid cross-contamination, empty condensation/patient secretions from inspiratory tubing into device by carefully raising/tilting tubing. Lifting tubing too quickly may result in splashing into Humidifier.
- Release Suction Activation Button as soon as the device is observed to be empty to avoid potential pressure loss in ventilator circuit.
- Ensure that the Suction Port Cap and Temperature Probe Port Cap are in place if or when the respective port is not being used.
- Dispose of HG 100 Humidifier Guard according to appropriate hospital protocol. User may be exposed to breathing tract fluids during disposal.

Note:

These items shown in Figure 1 and Figure 2 are **Not Included** with HG 100 Humidifier Guard

- | | |
|-----------------------------|----------------------|
| • Humidifier | • Suction Tubing |
| • Tubing from Ventilator | • Water Inlet Tubing |
| • Heated Ventilator Circuit | • Temperature Probe |
- (Inspiratory Tubing)

D Installation Directions

Installing HG 100 Humidifier Guard

1. Set up Humidifier ① according to Manufacturer's Instructions leaving Outlet Port free.
2. Attach HG 100 Humidifier Guard Inlet Port to Humidifier Outlet Port. ②
3. Attach Heated Ventilator Circuit to HG 100 Humidifier Guard Outlet Port. ③ Ensure that tubing is not oriented downward, which could create a fluid trap.
4. Remove Suction Port Cap. ④ Attach Suction Tubing to HG 100 Humidifier Guard Suction Port. ⑤

Temperature Probe Installation

Option 1 Installing on HG 100 Humidifier Guard

5. Remove Rubber Cap ⑥ from Temperature Probe Port ⑦ of HG 100 Humidifier Guard. (Shown removed)
6. Firmly insert Temperature Probe into HG 100 Humidifier Guard Temperature Probe Port. ⑦ Ensure that Cap is firmly inserted into Heated Ventilator Circuit Temperature Probe Port. (Shown inserted) ⑧

Option 2 Figure 1A (Inset)

Installing on a Heated Ventilator Circuit Temperature Probe Port

7. Remove Cap from Heated Ventilator Circuit Temperature Probe Port. ⑧ Firmly insert Temperature Probe into Temperature Probe Port. ⑦ Ensure that the Temperature Probe Port Cap ⑥ on HG 100 Humidifier Guard is firmly attached to the Temperature Probe Port. ⑦

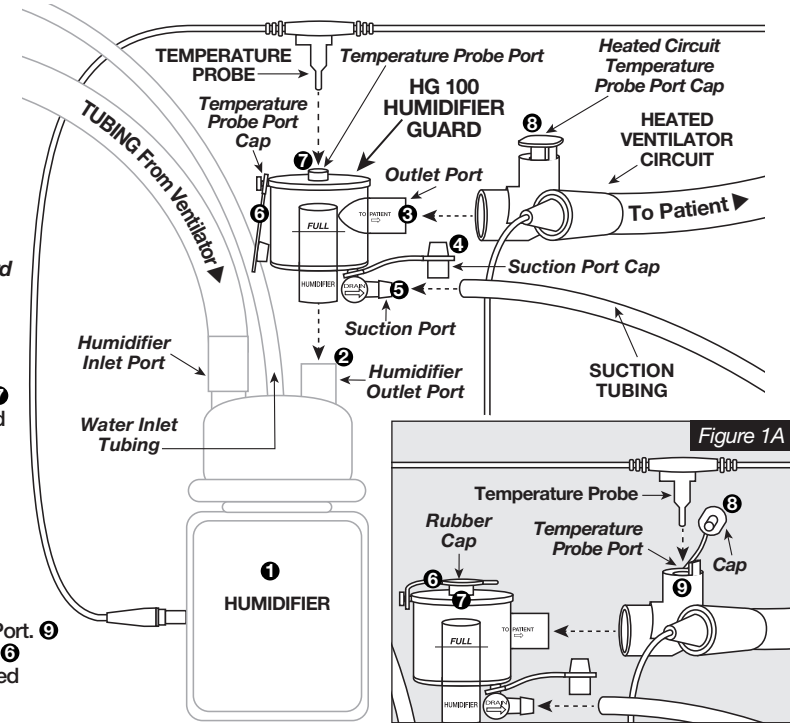


Figure 1

Figure 1A

E Emptying Device

Empty device periodically as needed. Prevent the fluid level from going above the "FULL" Line

Directions for emptying HG 100 Humidifier Guard

1. Ensure that suction is engaged and ready for suctioning. (Negative pressure is being applied to device suction port.) Recommended suction setting: 15 cm Hg.
2. Depress Suction Activation Button ① on HG 100 Humidifier Guard by grasping Suction Valve ① & ② between forefinger and thumb and squeezing. Ensure that condensation/patient secretions are emptied from inspiratory tubing by carefully raising/tilting tubing.
3. HG 100 Humidifier Guard will be emptied rapidly. Release the button as soon as device is emptied of fluid.
4. Replace Suction Port Cap if suction tubing is disconnected after emptying device.

Note: Emptying the fluid within the tubing and HG 100 Humidifier Guard can be performed with multiple "dumps" if there is an excess of fluid in the tubing.

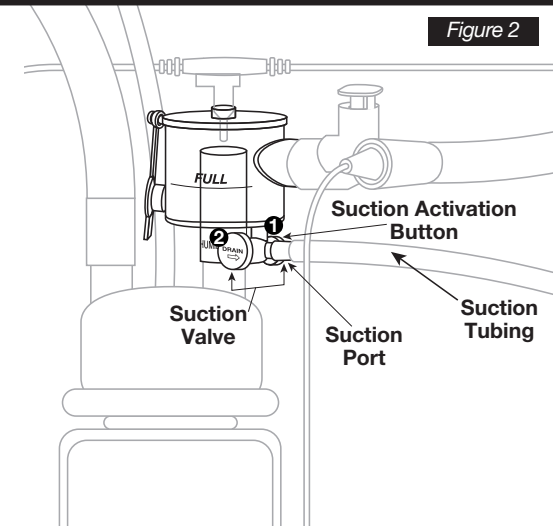


Figure 2