Sterilization and High-Level Disinfection Recommendations:

The recommendations indicated below are to be used as a general guideline. Follow the specific sterilization or disinfection procedures that have been validated by your institution.

To Disassemble:
1. Unscrew outlet port from body.
2. Remove silicone rubber valve.
3. Remove silicone rubber connector (BE 142 only).

Sterilization:
Steam Autoclave: (For Silicone Rubber parts only)
Sterilize according to validated parameters.
Do not exceed 135°C (275°F).

Do not steam autoclave polycarbonate products.

Gamma Radiation:
Irradiate according to validated parameters.
Some discoloration may occur.

Ethylene Oxide:
Sterilize according to validated parameters.
Do not exceed 55°C (131°F).
Allow ample aeration time in a well-ventilated area to dissipate the absorbed gas.

Gas Plasma:
Sterilize according to validated parameters.

High Level Disinfection:
Pasteurization:
Pasteurize at 70°C +/- 3°C (158°F - 163°F) for a minimum of 30 minutes.

Chemical Disinfectants:
Recommended Chemical: 2-4% Activated Glutaraldehyde.
Disinfect according to validated parameters.
Follow the chemical manufacturer's recommendation for temperature and soak time. Chemical disinfection should be followed by sterile water rinse. Exposure time should be based on the manufacturer's indication for use as a high-level disinfectant or sterilant.

Do not use alcohol or chemicals containing dimethyl ammonium chloride.

HOME USE
Wash parts in a mild liquid dish detergent. Products should be thoroughly scrubbed in order to remove all contaminants. Rinse well, ensure all remaining detergent is removed. Soak products for 20 minutes in a fresh vinegar solution that is 1 part vinegar and 3 parts distilled water.

EXAMPLE: ½ cup vinegar and 1½ cup distilled water
Thoroughly rinse parts with sterile water.
Air-dry on a clean towel. Do not wipe or dry with towel.

Reusables Replacement Parts

Model # BE 142-3 (Replacement for BE 142)
Type: Replacement Outlet Port
Size: 22mm O.D.
Materials: Amber Polycarbonate

Model # BE 142-3A (Replacement for BE 142-A)
Type: Replacement Outlet Port
Size: 22mm I.D.
Materials: Blue Polycarbonate

Model # BE 30-142-3 (Replacement for BE 30-142)
Type: Replacement Outlet Port
Size: 30mm O.D.
Materials: Amber Polycarbonate

Model # BE 101-00-3443 (Replacement for BE 142)
Type: Replacement Silicone Rubber Connector
Size: 22mm I.D. x 22mm I.D.
Materials: Silicone Rubber

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

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Adjustable Magnetic PEEP Valves
Installation & Usage Directions

BE 142
BE 142-A
BE 30-142
**Indications for Use**
The reusable BE 142, BE 142-A, and BE 30-142 Adjustable Magnetic PEEP Valves are designed for use with ventilators, anesthesia machines, resuscitators, and other systems where PEEP or CPAP is required. A threshold-like resistance is applied after active exhalation. The PEEP valve prevents exhalation pressure from dropping below a pre-determined value. Positive End Expiratory Pressure (PEEP) ranges are adjustable from 3 to 20 cm H₂O. Maximum PEEP can vary +/- 10%.

**Contraindications**
None known.

**Notes & Cautions**

**The BE 142 Series Magnetic PEEP (Positive End Expiratory Pressure) Valves** prevent exhalation pressure from dropping below a pre-determined value. The magnet is set at an adjustable distance from a movable check valve. The magnetic field holds the check valve closed. During exhalation, pressure on the check valve exceeds the strength of the magnetic field and forces the valve open to allow exhalation. As pressure drops at the end of exhalation, the valve closes again. This maintains the end expiratory pressure at the PEEP setting.

- PEEP adjustments range from 3 to 20 cm H₂O pressure. (Maximum PEEP can vary ± 2 cm H₂O per device.)
- PEEP Valve is effective regardless of position. **CAUTION:** These are uni-directional PEEP Valves. Flow direction must be consistent with the expiratory flow. PEEP pressure may vary according to position. PEEP pressure must be monitored during use.
- Designed for use with ventilators, anesthesia machines, resuscitators, and other systems where PEEP or CPAP is required.
- Tidal volume may be monitored by connecting a $V_T$ monitor to outlet port.
- Lightweight, transparent plastic allows visual inspection of function.

**Directions for Use**

**BE 142 Series Magnetic PEEP Valve When used with a Ventilator**

**CAUTION:**
These are uni-directional PEEP Valves. Flow direction must be consistent with the expiratory flow.
PEEP pressure must be consistent with the expiratory flow.
PEEP pressure must be monitored during use.

**BE 142 Series Magnetic PEEP Valve When used with a Bag/Mask**

**CAUTION:**
These are uni-directional PEEP Valves. Flow direction must be consistent with the expiratory flow.
PEEP pressure may vary according to position.
PEEP pressure must be monitored during use.

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**BE 142**

- 22mm O.D. outlet
- 22mm I.D. inlet

**BE 142-A**

- 22mm I.D. outlet
- 22mm O.D. inlet

**BE 30-142**

- 30mm O.D. outlet
- 30mm I.D. inlet

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**PEEP Adjustment (All 3 models)**

*Increase PEEP*

*Decrease PEEP*

When viewed from bottom

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*Resuscitator Bag (Not included)*

*Pressure Monitoring Device (Not included)*

*Endotracheal Tube (Not included)*

*PEEP Adjustment (All 3 models)*

*Increase PEEP*

*Decrease PEEP*

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*Outlet Port for $V_T$ Monitoring*

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*Exhalation Valve (Not included)*

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*From Ventilator*

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*From Ventilator*

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*Patient*