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

Pre-Washing:
A thorough pre-washing of components is necessary to remove foreign and/or organic contaminants. Use a low alkaline soap (pH 8.5 or less) to preserve maximum useful life.

Notes:
• Disassembly of valve is required if submersing in liquid.
• DO NOT disassemble diaphragm (BE 215-2A) or immerse in liquid. Valve performance can be affected by residual liquid inside of diaphragm.
• Replace diaphragm when necessary.

Sterilization:
Steam Autoclave: Sterilize according to validated parameters. Do not exceed 135°C (275°F).
Gammar 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 valve components in a mild liquid dish detergent. Thoroughly scrub in order to remove all contaminants. Rinse well; ensure all remaining detergent is removed. Soak components for 20 minutes in a fresh vinegar solution that is 1 part vinegar and 3 parts water.
EXAMPLE: ½ cup vinegar and 1½ cups sterile water. Thoroughly rinse parts with sterile water. Allow to air-dry on a clean towel. Do not wipe or dry with towel.

BE 215-2A — Diaphragm Assembly
Gently scrub outside of stem with bottle brush in low alkaline soap; be sure to occlude open part of diaphragm stem so that cleaning solution does not enter the stem. Rinse thoroughly; air dry.

Replacement Parts
Model # Replacement for:
BE 115-3B BE 30-115-B, BE 30-115-BL, NS 30-115-5, NS 30-115-5L, PS 54A/AL
BE 115-3L BE 30-115-BL, NS 30-115-5L, PS 54A/AL
BE 215-2A — Not made with Natural Rubber Latex
BE 215-2A — Not made with Di(2-ethylhexyl) phthalate (DEHP)
Material:
Polyetherimide
Material:
Polypropylene
Material:
Nylon
Material:
Polyethylene
Material:
Polypropylene

Product Specifications
All Products are Reusable

| Model # | Part Description | Port Sizes | Patient Port Size | Valve Body | Internal Parts
|---------|-----------------|------------|------------------|------------|-----------------
| BE 30-115-B | Exhalation Valve | Exhalation Port: 30mm I.D. | 22mm I.D. x 22mm O.D. | Polytetrafluoroethylene | (See Replacement Parts)
| NS 30-115-5 | Exhalation Valve | Exhalation Port: 30mm I.D. | 22mm I.D. x 22mm O.D. | Polytetrafluoroethylene | (See Replacement Parts)
| NS 30-115-5L | Exhalation Valve | Exhalation Port: 30mm I.D. | 22mm I.D. x 22mm O.D. | Polytetrafluoroethylene | (See Replacement Parts)
| NS 30-115-U | Exhalation Valve | Exhalation Port: 30mm I.D. | 22mm I.D. x 22mm O.D. | Polytetrafluoroethylene | (See Replacement Parts)
| PS 54A | Exhalation Valve w/Water Trap | Exhalation Port: 30mm I.D. | 22mm I.D. x 22mm O.D. | Polytetrafluoroethylene | (See Replacement Parts)
| PS 54A/AL | Exhalation Valve w/Water Trap | Exhalation Port: 30mm I.D. | 22mm I.D. x 22mm O.D. | Polytetrafluoroethylene | (See Replacement Parts)

Exhalation Valves w/Water Trap
BE 30-115-B/BL
NS 30-115-5/5L
NS 30-115-U/UL

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

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— Not made with Natural Rubber Latex
— Not made with Di(2-ethylhexyl) phthalate (DEHP)
ECO 2446 Rev. G
8-16
These reusable exhalation valves are designed for use with ventilators. The exhalation valve prevents the inspired gases from escaping through the passage that will be made available to expired gases via an inflatable balloon. Re-breathing of the expired gases is prevented by the balloon action.

Caution: Always check valve for proper function prior to use. DO NOT over-tighten diaphragm holder cap.

Note: Direction of airflow is indicated by arrow.

Note: If Diaphragm Assembly (BE 215-2A) becomes disassembled or damaged it must be replaced. DO NOT reassemble. Replace Diaphragm Assembly.