

A Exhalation Valve and Exhalation Valve w/ Water Trap — Installation Directions & Replacement Parts Diagram

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

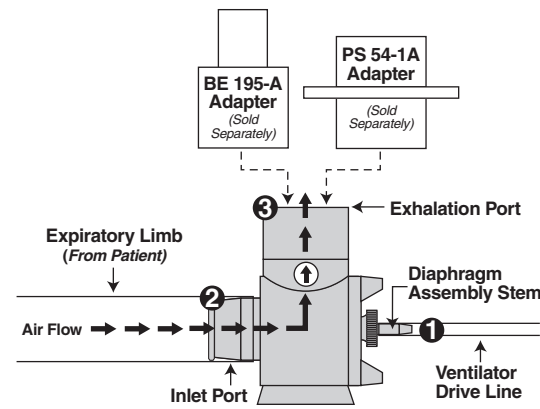
Note: Direction of airflow is indicated by arrow.

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

BE 30-115-B BE 30-115-BL

Installation Directions

1. Connect **Ventilator Drive Line** to **Diaphragm Assembly Stem**. ❶
2. Connect **Expiratory Limb** of circuit to **Inlet Port**. ❷
3. If required, connect **Adapter** (sold separately) to **Exhalation Port**. ❸

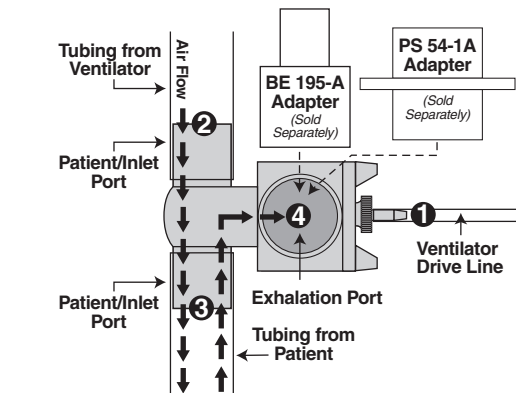


Side View

NS 30-115-5 NS 30-115-5L

Installation Directions

1. Connect **Ventilator Drive Line** to **Diaphragm Assembly Stem**. ❶
2. Connect **Tubing from the Ventilator** to one of the **Patient/Inlet Ports**. ❷
3. Connect **Tubing from the Patient** to the other **Patient/Inlet Port**. ❸
4. If required, connect **Adapter** (sold separately) to **Exhalation Port**. ❹

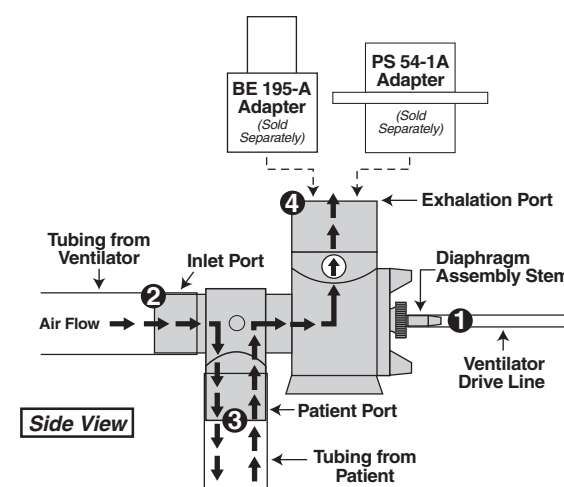


Top View

NS 30-115-U NS 30-115-UL

Installation Directions

1. Connect **Ventilator Drive Line** to **Diaphragm Assembly Stem**. ❶
2. Connect **Tubing from the Ventilator** to the **Inlet Port**. ❷
3. Connect Tubing from the **Patient** to the **Patient Port**. ❸
4. If required, connect **Adapter** (sold separately) to **Exhalation Port**. ❹

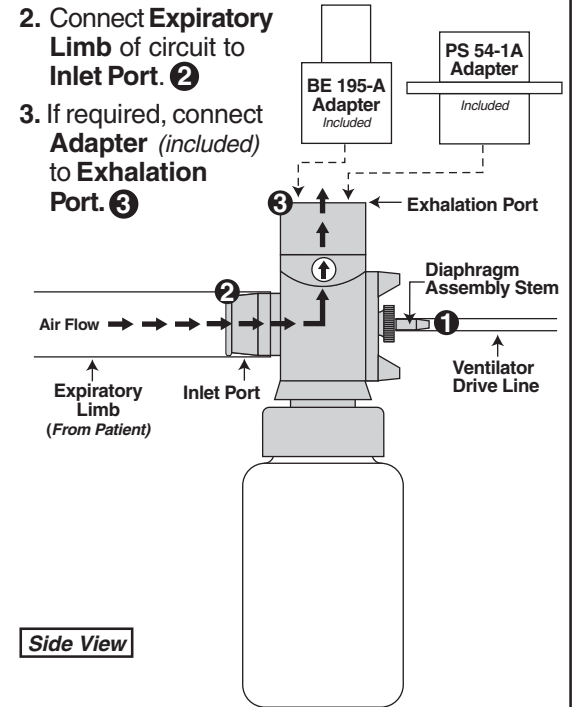


Side View

PS 54A PS 54AL

Installation Directions

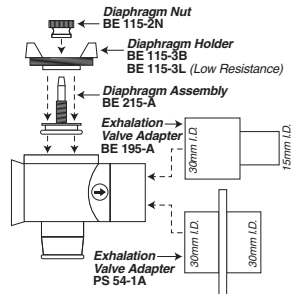
1. Connect **Ventilator Drive Line** to **Diaphragm Assembly Stem**. ❶
2. Connect **Expiratory Limb** of circuit to **Inlet Port**. ❷
3. If required, connect **Adapter** (included) to **Exhalation Port**. ❸



Side View

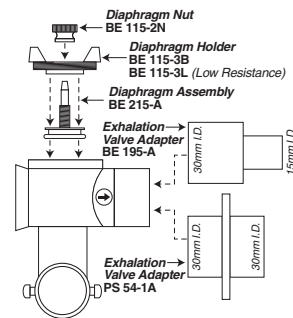
BE 30-115-B BE 30-115-BL Assembly & Replacement Parts Diagram

To purchase replacement parts, call 1-800-633-8577 or visit us at www.iiimedical.com



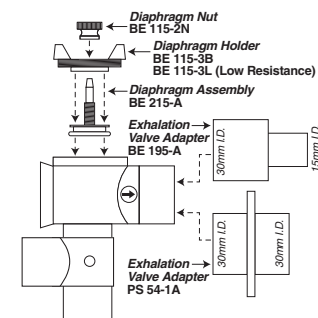
NS 30-115-5 NS 30-115-5L Assembly & Replacement Parts Diagram

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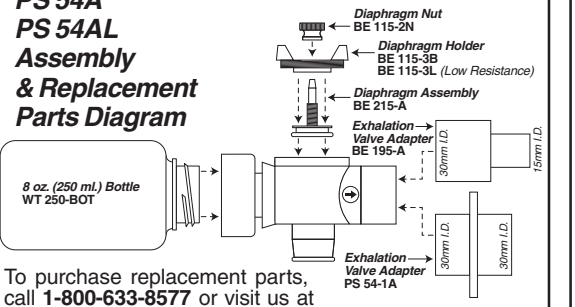
NS 30-115-U NS 30-115-UL Assembly & Replacement Parts Diagram

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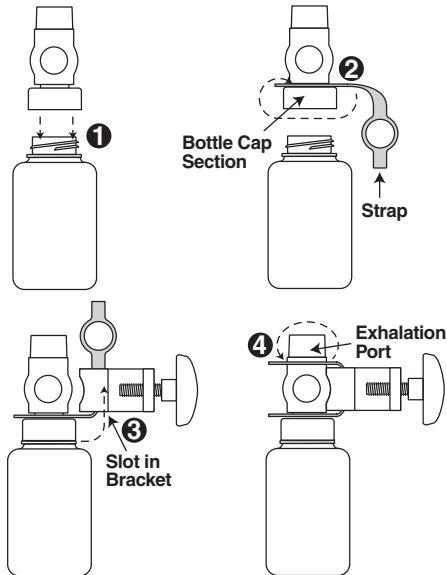
PS 54A PS 54AL Assembly & Replacement Parts Diagram

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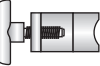




B PS 54A/PS 54AL Bracket Installation

1. Unscrew **Bottle** from **Exhalation Valve** body. **1**
2. Stretch one **Loop** in **Strap** over bottle cap section of **Exhalation Valve** body. **2**
3. Slip other end of **Strap** through slot in **Bracket**. **3**
4. Stretch **Loop** in **Strap** over exhalation port to secure bracket to **Exhalation Valve** body. **4**



Exhalation Valve w/Water Trap Replacement Parts All Products are Reusable

	Model # PS 54A — PS 54AL (Low Resistance) Type: Exhalation Valve w/Water Trap Capacity: 8 oz (250ml) Port Sizes: <i>Exhalation Port:</i> 30mm O.D. <i>Patient/Inlet Port:</i> fits 22mm I.D. tubing Materials: <i>Valve Body:</i> Polyetherimide <i>Internal Parts:</i> (See Replacement Parts) <i>Bottle:</i> Polypropylene
	Model # PS 114-4-1 Type: Bracket Opening: 1 1/4" Materials: <i>Bracket:</i> Anodized Aluminum
	Model # PS 114-4-3 Type: Bracket Strap Material: Natural Gum Rubber
	Model # WT 250-BOT Type: Bottle Materials: Polypropylene

C Sterilization/Disinfection

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. Always carefully examine product after processing. Do not use if product shows signs of cracks, leaks, poor fit, severe discoloration, or fails to perform as indicated.

Exhalation Valve and Bottle

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 275°F (135°C).

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

Ethylene Oxide: Sterilize according to validated parameters. Do not exceed 131°F (55°C). 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 160°F-170°F (71°C-77°C) for no less than 30 minutes.

Chemical Disinfectants: Disinfect according to validated parameters. Follow the chemical manufacturer's recommendation for temperature and soak time. Chemical disinfection should be followed by a sterile water rinse.

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 water.
Thoroughly rinse parts with water. Allow to air-dry on a clean towel. Do not wipe or dry with towel.

BE 215-2A — Diaphragm Assembly

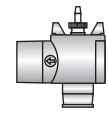
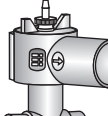
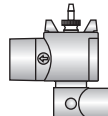
Gently scrub stem with bottle brush in low alkaline soap; be sure to occlude open part of diaphragm stem so that cleaning solution does not enter the stem. Rinse thoroughly; air dry.

Exhalation Valve w/Water Trap Assembly Bracket and Rubber Strap


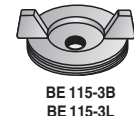

Clean by wiping the outside with a disinfectant on a soft cloth. **Do not immerse, disassemble, use bleach, or sterilize.**

D Product Specifications

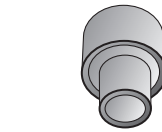
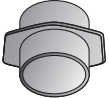
All Products are Reusable

	Model # BE 30-115-B BE 30-115-BL (Low Resistance)
	Type Exhalation Valve
	Port Sizes <i>Exhalation Port:</i> 30mm O.D. <i>Patient Port:</i> fits 22mm I.D. Tubing
	Materials <i>Valve Body:</i> Polyetherimide <i>Internal Parts:</i> (See Replacement Parts)
	Model # NS 30-115-5 NS 30-115-5L (Low Resistance)
	Type Exhalation Valve
	Port Sizes <i>Exhalation Port:</i> 30mm O.D. <i>Tee Patient/Inlet Port:</i> 22mm O.D. x 22mm O.D.
	Materials <i>Valve Body:</i> Polyetherimide <i>Internal Parts:</i> (See Replacement Parts)
	Model # NS 30-115-U NS 30-115-UL (Low Resistance)
	Type Exhalation Valve
	Port Sizes <i>Exhalation Port:</i> 30mm O.D. <i>Patient Port:</i> 15mm I.D./22mm O.D. <i>Inlet Port:</i> 22mm O.D.
	Materials <i>Valve Body:</i> Polyetherimide <i>Internal Parts:</i> (See Replacement Parts)

Replacement Parts

		
Model #: BE 215-2A Type: Diaphragm Assembly Materials: Silicone Rubber, Polypropylene	Model #: BE 115-2N Type: Diaphragm Nut Material: Nylon	
Model #: BE 115-3B Replacement for: BE 30-115-B, NS 30-115-U, NS 30-115-5 & PS 54A		
Model #: BE 115-3L Replacement for: BE 30-115-BL, NS 30-115-UL, NS 30-115-5L & PS 54AL		
Type: Diaphragm Holder	Material: Polyetherimide	

Exhalation Valve Adapters

	
Model # BE 195-A Type: Exhalation Valve Adapter Size: 30mm I.D. x 15mm I.D. Material: Polyetherimide	Model # PS 54-1A Type: Exhalation Valve Adapter Size: 30mm I.D. x 30mm I.D. Material: Polyetherimide



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Exhalation Valves

Installation &
Usage
Directions



BE 30-115-B/BL
NS 30-115-5/5L
NS 30-115-U/UL

**Exhalation Valve
w/Water Trap
PS 54A/AL**

**Caution: Federal law restricts this device
to sale by or on the order of a physician.**