

G Sterilization/Disinfection

- This product is designed for **Single Patient Reuse** (Can be used to repeatedly administer medications to one single patient while installed in a breathing circuit).
- This product is packaged as **non-sterile. Instrumentation Industries, Inc.** recommends processing before use. After installation into a breathing circuit, cleaning is not recommended. Discard when replacing the circuit according to facility guidelines.

RTC 24-VP Sterilization/Disinfection Recommendations:

Carefully follow facility guidelines for preparing products and solutions for the sterilizing and disinfecting methods and equipment being used.

STERRAD 100S

Full short sterilization cycle (Hydrogen peroxide gas plasma, 55 minutes, 45°C - 55°C (113°F - 131°F)).

High Level Disinfection

PASTEURIZATION

Pasteurize at 70°C +/- 3°C (153° - 163°F) for a minimum of 30 minutes.

CIDEX® OPA

Prepare Cidex® OPA solution.

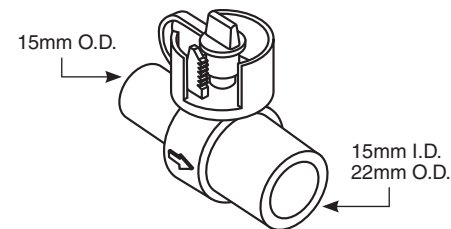
Totally submerge adapter in the disinfectant.

Immerse device completely, filling all lumens and eliminating air pockets, in CIDEX® OPA Solution for a minimum of 12 minutes at 20°C (68°F) to destroy all pathogenic microorganisms. Remove device from the solution and rinse thoroughly as per these rinsing instructions:

- Following removal from CIDEX® OPA Solution, thoroughly rinse the RTC 24-VP by immersing it completely in a large volume (e.g. 2 gallons) of water. Sterile water rinse is recommended unless potable water is acceptable.
- Keep the device totally immersed for a minimum of 1 minute in duration.
- Manually flush all devices with large volumes (not less than 100 mL) of rinse water.
- Remove the device and discard the rinse water. Always use fresh volumes of water for each rinse. Do not reuse the water for rinsing or any other purpose.
- Repeat the procedure TWO (2) additional times, for a total of THREE (3) RINSES, with large volumes of fresh water to remove CIDEX OPA Solution residues. Residues may cause serious side effects.
- Dry using sterile, lint-free cloths.

- **Always carefully examine the physical integrity of this product after processing. Do not use if cracking or crazing is seen, or if parts fit together improperly after processing.**

H Product Specifications



Model #	RTC 24-VP	
Type	Metered Dose Inhaler Adapter	
Use	Single Patient Reuse	
Port Sizes	<i>Inlet</i>	15mm O.D.
	<i>Outlet</i>	15mm I.D./22mm O.D.
Dimensions	<i>Length</i>	2.03 in
	<i>Width</i>	1.1 in.
	<i>Height</i>	2.05 in
Materials	<i>Body</i>	Polystyrene-Butadiene
	<i>Cap</i>	Thermoplastic Rubber
Color	<i>Body</i>	Clear
	<i>Cap</i>	Clear

EXPLANATION OF SYMBOLS

	Manufacturer		Non-Sterile
	Federal law restricts this device to sale by or on the order of a physician.		

Instrumentation Industries, Inc.

MDI Adapter

Installation & Usage Directions



RTC 24-VP

For use with metered dose inhaler canisters, with or without a dose counter, with standard size metal (.109 inch diameter) or plastic (.124 inch diameter) stems.

Single Patient Reuse

Can be used to repeatedly administer medications to one single patient while installed in a breathing circuit

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

A Indications for Use

The **Instrumentation Industries, Inc. RTC 24-VP MDI Adapter** is an actuator for intermittent delivery of prescribed aerosol medication dispensed in cylindrical-style metered dose inhalers. The **RTC 24-VP MDI Adapter** is intended for use only when connected to ventilator tubing or tracheal tubes.

The **RTC 24-VP MDI Adapter** is intended to be prescribed for any patient who is ventilator-dependent and to whom a metered dose inhaler has been prescribed. The expected clinical environment for the **RTC 24-VP MDI Adapter** is Critical Care and/or long term or short term ventilation.

The **RTC 24-VP MDI Adapter** is intended for Single Patient Reuse (*Can be used to repeatedly administer medications to one single patient while installed in a breathing circuit.*). This device is intended for sale by or on the order of a physician.

B Contraindications

None known.

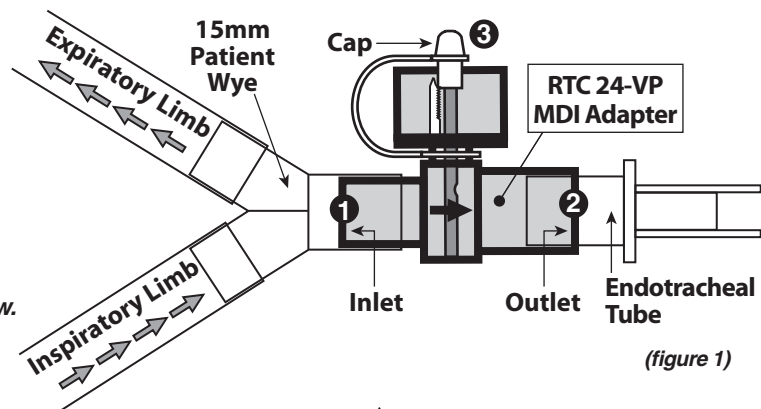
C Notes

All illustrations are examples. Consult facility validated procedures for desired placement.

D RTC 24-VP — Installation Directions

RTC 24-VP — Placed at Endotracheal Tube

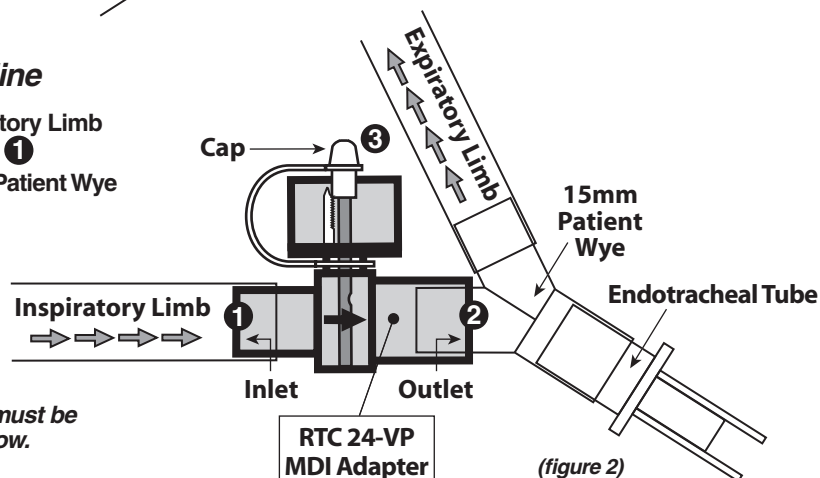
1. Connect RTC 24-VP Inlet to 15mm Patient Wye, as shown. **1**
2. Connect RTC 24-VP Outlet to Endotracheal Tube. **2**
3. Ensure that Rubber Cap is placed on MDI Activator Port until MDI canister is inserted. **3**



Direction arrow on RTC 24-VP must be pointing in the direction of airflow.

RTC 24-VP — Placed Inline

1. Connect RTC 24-VP to Inspiratory Limb of Patient Circuit at Inlet Port. **1**
2. Connect RTC 24-VP to 15mm Patient Wye at Outlet Port. **2**
3. Ensure that Rubber Cap is placed on MDI Activator Port until MDI canister is inserted. **3**

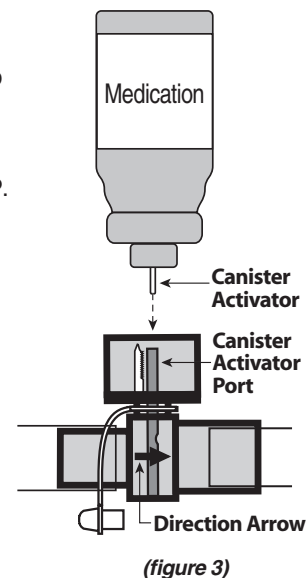


Direction arrow on RTC 24-VP must be pointing in the direction of airflow.

E Canister Insertion

Standard Canister

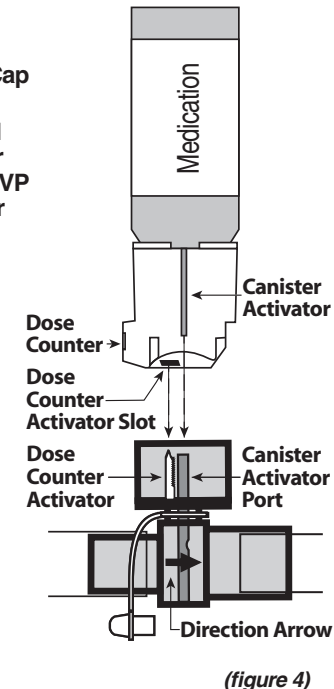
1. Install RTC 24-VP in Patient Circuit. (panel D)
2. Remove Rubber Cap from RTC 24-VP.
3. Insert Pressurized Medicine Canister into top of RTC 24-VP.
4. Ensure that Canister Activator is inserted into Canister Activator Port.



Note: Standard Canisters are not stable after insertion into RTC 24-VP. Constant support between Standard Canister and RTC 24-VP must be provided.

Canister with Dose Counter

1. Install RTC 24-VP in Patient Circuit. (panel D)
2. Remove Rubber Cap from RTC 24-VP.
3. Insert Pressurized Medicine Canister into top of RTC 24-VP with Dose Counter facing away from Direction Arrow.
4. Ensure that Canister Activator is inserted into Canister Activator Port.
5. Ensure that Dose Counter Activator is inserted into Dose Counter Activator Slot.



F Canister Activation

- Prior to activation, make sure that the Pressurized Medicine Canister is fully seated in RTC 24-VP.
- While activating the Pressurized Medicine Canister, press the canister straight down without tilting.
- Two hands may be necessary to keep canister aligned properly.

1. At the **beginning** of the inspiratory cycle, depress the **Pressurized Medicine Canister** by placing fingers underneath RTC 24-VP and pressing top of canister with thumb. *If canister has a Dose Counter, it will be tripped by the Dose Counter Activator.*
2. Remove Canister from RTC 24-VP.
3. Replace Rubber Cap.

