

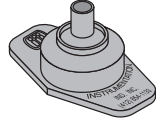
## A Indications for Use

The RTC 21 Series MDI adapters are intended for use in intermittent aerosol therapy to deliver aerosol medications (in compressed canister MDIs) via the proximal end of an endotracheal tube.

## B Contraindications

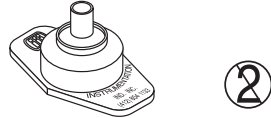
None known.

## C Product Specifications



### RTC 21-A Metered Dose Inhaler (MDI) Adapter

<b>Use</b>	Reusable
<b>Materials</b>	Polyetherimide
<b>Color</b>	Amber
<b>Notes</b>	Accepts plastic or metal tipped MDI canisters.



### RTC 21-D Metered Dose Inhaler (MDI) Adapter

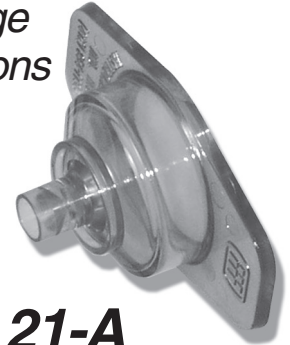
<b>Use</b>	Single Patient Use
<b>Materials</b>	Polystyrene Butadiene
<b>Color</b>	Clear
<b>Notes</b>	Accepts plastic or metal tipped MDI canisters.

### EXPLANATION OF SYMBOLS

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

# MDI Adapter

*Installation  
& Usage  
Directions*



## RTC 21-A RTC 21-D

*For use with metered dose inhaler canisters, with standard size metal (.109 inch diameter) or plastic (.124 inch diameter) stems.*

## Instrumentation Industries, Inc.

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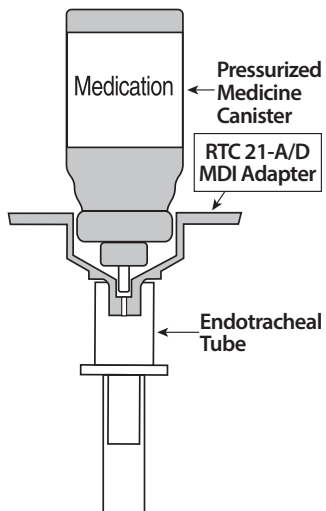
— Not made with Natural Rubber Latex  
— Not made with Di(2-ethylhexyl)  
phthalate (DEHP)

## D Notes

- Prior to activation, make sure that the **Pressurized Medicine Canister** is fully seated in **RTC 21-A/D**.
- While activating the **Pressurized Medicine Canister**, press the canister straight down without tilting.
- Two hands may be necessary to keep canister aligned properly.

## E Metered Dose Inhaler (MDI) Adapter Directions for Use

1. Place **RTC 21-A/D** on proximal end of endotracheal tube.
2. Insert **Pressurized Medication Canister**.
3. Activate **Pressurized Medication Canister** by placing fingers underneath **RTC 21-A/D** and pressing thumb on top of canister.
4. Remove **Pressurized Medication Canister**.
5. Remove **RTC 21-A/D**.



## F Sterilization and Disinfection

### RTC 21-A

This product is designed to be **Reusable**. (May be processed up to 30 times at the parameters provided below.) It is packaged as **non-sterile**; **Instrumentation Industries, Inc.** recommends processing before use.

#### Recommendations for RTC 21-A

Carefully follow facility guidelines for preparing products and solutions for the sterilizing and disinfecting methods and equipment being used. Sterilization and High Level Disinfection Procedures have been validated for the following equipment and methods:

##### Sterilization

###### Steam Autoclave

Do not exceed 135°C/275°F.

##### High Level Disinfection

###### Pasteurization

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

###### Cold Chemicals — **Recommended Chemicals: 2-4% Activated Glutaraldehyde Solutions.**

Thoroughly rinse with sterile water. 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.

### RTC 21-D

This product is designed to be **Single Patient Use**.

It is packaged as **non-sterile**; **Instrumentation Industries, Inc.** recommends processing before use.

#### Recommendations for RTC 21-D

Carefully follow facility guidelines for preparing products and solutions for the sterilizing and disinfecting methods and equipment being used. Sterilization and High Level Disinfection Procedures have been validated for the following equipment and methods:

##### Sterilization

###### STERRAD 100S

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

##### 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, 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 21-D** 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.

#### DO NOT STEAM AUTOCLAVE RTC 21-D!

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.