

E Sterilization /Disinfection

RTC 15-D — RTC 15-P RTC 22-D — RTC 23-D

These products are designed for **Single Patient Reuse**. (Can be used to repeatedly administer medications to one single patient while installed into a breathing circuit.)

They are packaged as **non-sterile**; **Instrumentation Industries, Inc.** recommends processing before use. After installation into a breathing circuit, cleaning is not necessary. Discard when replacing the circuit according to facility guidelines.

Recommendations for RTC 15-D, RTC 15-P, RTC 22-D, & RTC 23-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. Use a syringe to fill all crevices with Cidex® OPA, then totally submerge adapters in the disinfectant. Follow the manufacturer's instructions for temperature and soak time requirements.

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.

RTC 22-A — RTC 23-A

These products are designed to be **Reusable**. (May be processed up to 30 times at the parameters provided below.)

They are packaged as **non-sterile**; **Instrumentation Industries, Inc.** recommends processing before use. After installation into a breathing circuit, cleaning is not necessary. Reprocess when replacing the circuit at the parameters provided below.

Recommendations for RTC 22-A & RTC 23-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.

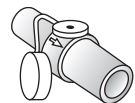
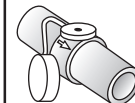


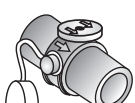

Do not use alcohol or chemicals containing dimethyl ammonia chloride.

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.

**DO NOT
STEAM AUTOCLAVE**

**RTC 15-D — RTC 15-P
RTC 22-D — RTC 23-D**

F Product Specifications

	RTC 15-D Metered Dose Inhaler (MDI) Adapter		RTC 15-P Metered Dose Inhaler (MDI) Adapter
Use	Single Patient Reuse	Use	Single Patient Reuse
Inlet	15mm O.D.	Inlet	15mm I.D.
Outlet	15mm I.D.	Outlet	15mm I.D.
Materials	Body Polystyrene Butadiene Cap Thermoplastic Rubber	Materials	Body Polystyrene Butadiene Cap Thermoplastic Rubber
Color	Body Clear Cap Clear	Color	Body Clear Cap Clear
	RTC 22-A Metered Dose Inhaler (MDI) Adapter		RTC 22-D Metered Dose Inhaler (MDI) Adapter
Use	Reusable	Use	Single Patient Reuse
Inlet	22mm I.D.	Inlet	22mm I.D.
Outlet	15mm I.D./22mm O.D.	Outlet	15mm I.D./22mm O.D.
Materials	Body Polyetherimide Cap Silicone Rubber	Materials	Body Polystyrene Butadiene Cap Thermoplastic Rubber
Color	Body Amber Cap Clear	Color	Body Clear Cap Clear
	RTC 23-A Metered Dose Inhaler (MDI) Adapter		RTC 23-D Metered Dose Inhaler (MDI) Adapter
Use	Reusable	Use	Single Patient Reuse
Inlet	15mm I.D./22mm O.D.	Inlet	15mm I.D./22mm O.D.
Outlet	15mm I.D./22mm O.D.	Outlet	15mm I.D./22mm O.D.
Materials	Body Polyetherimide Cap Silicone Rubber	Materials	Body Polystyrene Butadiene Cap Thermoplastic Rubber
Color	Body Amber Cap Clear	Color	Body Clear Cap Clear



**Instrumentation
Industries, Inc.**

2990 Industrial Blvd.
Bethel Park, PA 15102

US Toll Free: 1-800-633-8577

Business: 1-412-854-1133

Fax: 1-877-633-8661

www.iiimedical.com



**Instrumentation
Industries, Inc.**

MDI Adapter

*Installation &
Usage
Directions*

**RTC 15-D
RTC 15-P
RTC 22-A
RTC 22-D
RTC 23-A
RTC 23-D**



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

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

A Indications for Use

The Instrumentation Industries, Inc. **RTC 15-D, RTC 15-P, RTC 22-A, RTC 22-D, RTC 23-A, and RTC 23-D Adapters** are actuators for intermittent delivery of prescribed aerosol medication dispensed in metered dose inhalers. **RTC 15-D, RTC 15-P, RTC 22-A, RTC 22-D, RTC 23-A, and RTC 23-D Adapters** are intended for use only when connected to ventilator tubing or tracheal tubes.

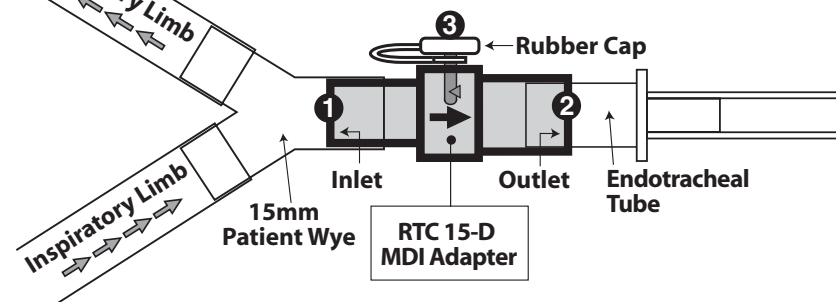
The **RTC 15-D, RTC 15-P, RTC 22-D, and RTC 23-D Adapters** are intended for Single Patient Reuse. **RTC 22-A and RTC 23-A adapters** are intended to be Reusable. These devices are intended for sale by or on the order of a physician.

B RTC 15-D/P — RTC 22-A/D — RTC 23-A/D Installation Instructions

Note: All illustrations are examples. Consult facility validated procedures for desired placement. Additional adapters or connectors may be needed in certain placements. **In all set-ups, direction arrow must be pointing in the direction of airflow.**

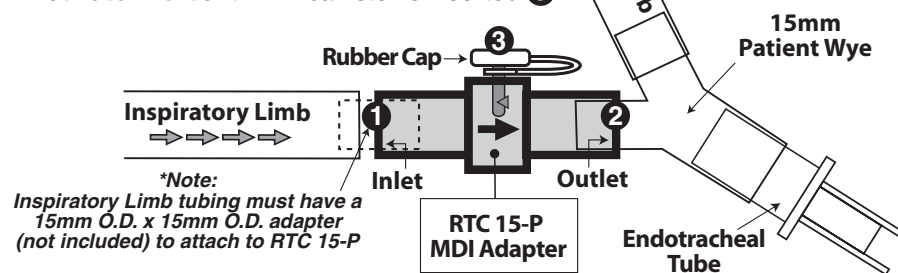
RTC 15-D — Placed at Endotracheal Tube

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



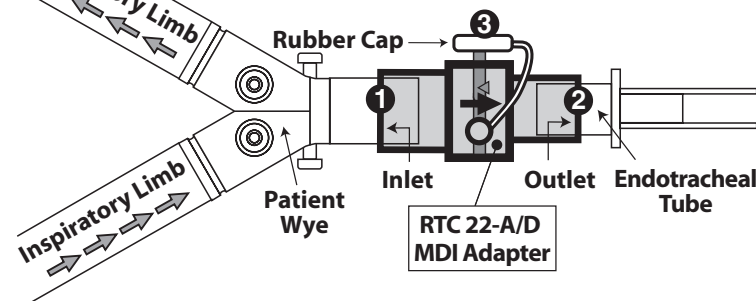
RTC 15-P — Placed in Inspiratory Limb

1. Connect **RTC 15-P Inlet** to **Inspiratory Limb of Patient Circuit**, as shown*. ①
2. Connect **RTC 15-P Outlet** to **Patient Wye**. ②
3. Ensure that **Rubber Cap** is placed on **MDI Activator Port** until MDI canister is inserted. ③



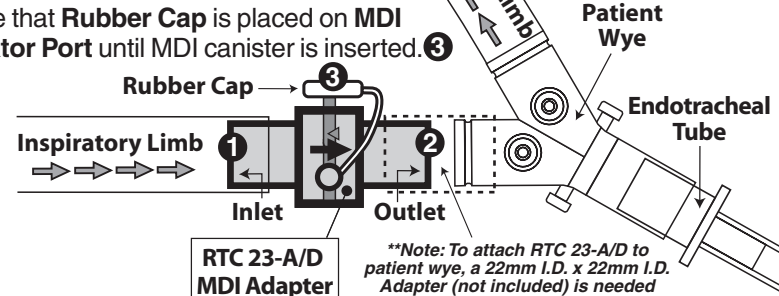
RTC 22-A/D — Placed at Endotracheal Tube

1. Connect **RTC 22-A/D Inlet** to **Patient Wye**, as shown. ①
2. Connect **RTC 22-A/D Outlet** to **Endotracheal Tube**. ②
3. Ensure that **Rubber Cap** is placed on **MDI Activator Port** until MDI canister is inserted. ③



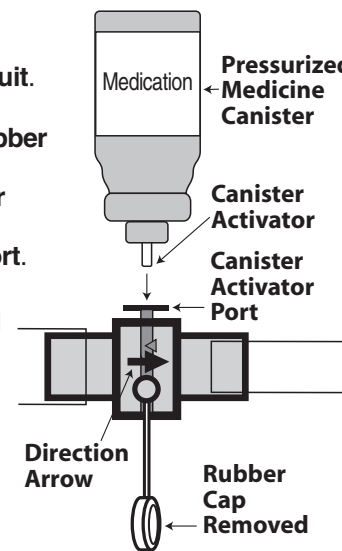
RTC 23-A/D — Placed in Inspiratory Limb

1. Connect **RTC 23-A/D Inlet** to **Inspiratory Limb of Patient Circuit**, as shown**. ①
2. Connect **RTC 23-A/D Outlet** to **Patient Wye**. ②
3. Ensure that **Rubber Cap** is placed on **MDI Activator Port** until MDI canister is inserted. ③



C Canister Insertion

1. Install **MDI Adapter in Patient Circuit.** (Panel B)
2. Remove **Rubber Cap** from **MDI Adapter Canister Activator Port**.
3. Insert **Pressurized Medicine Canister** into **Canister Activator Port**.



D Canister Activation

- Prior to activation, make sure that the **Pressurized Medicine Canister** is fully seated in **MDI Adapter**.
- 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 **MDI Adapter** and pressing top of canister with thumb. Medication directed mainstream.
2. Remove **Canister** from **MDI Adapter Canister Activator Port**.
3. Replace **Rubber Cap**.

