

G 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 in a breathing circuit.)

They are packaged as **non-sterile**; **Instrumentation Industries, Inc.** recommends processing before initial use.

Discard when replacing the circuit according to facility guidelines.

Recommendations for RTC 15-D, RTC 15-P, RTC 22-D, and 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 (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, 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 adapter 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 15-D — RTC 15-P — RTC 22-D — RTC 23-D!

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 initial use.

Reprocess when replacing the circuit at the parameters provided below.

Recommendations for RTC 22-A and 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 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.

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.

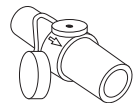
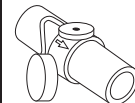






Visit iiimedical.com/symbols.pdf for the Glossary of Symbols used in Instrumentation Industries, Inc. labeling.

These user instructions are available in Canadian French at iiimedical.com

Ces instructions d'utilisation sont disponibles en français canadien à iiimedical.com

H Product Specifications

	RTC 15-D Metered Dose Inhaler (MDI) Adapter		RTC 15-P Metered Dose Inhaler (MDI) Adapter
Use:	Single Patient Reuse (see Panel A for info)	Use:	Single Patient Reuse (see Panel A for info)
Inlet:	15mm O.D.	Inlet:	15mm I.D.
Outlet:	15mm I.D.	Outlet:	15mm I.D.
Length:	2"	Length:	2"
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 (see Panel A for info)
Inlet:	22mm I.D.	Inlet:	22mm I.D.
Outlet:	15mm I.D./22mm O.D.	Outlet:	15mm I.D./22mm O.D.
Length:	2"	Length:	2"
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 (see Panel A for info)
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.
Length:	2"	Length:	2"
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.**

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.

 **Instrumentation Industries, Inc.**

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Rx ONLY

NON STERILE

— Not made with Natural Rubber Latex

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

Made in **USA**

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**. (Can be used to repeatedly administer medications to one single patient while installed in a breathing circuit.) 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 Contraindications

None known.

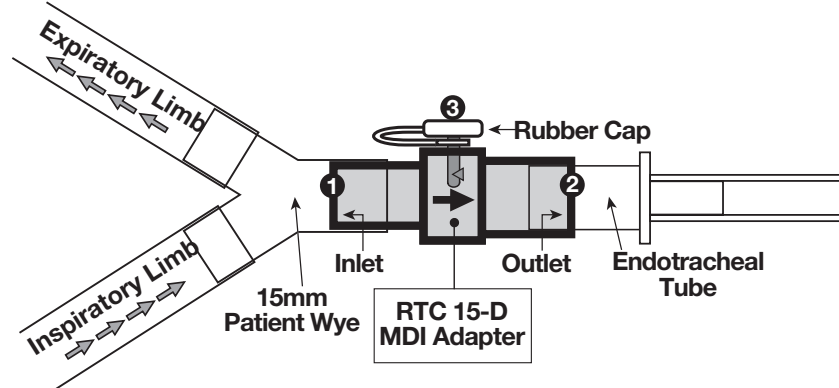
C Notes

- All illustrations are examples.
- Additional adapters or connectors may be needed in certain placements.
- In all set-ups, direction arrow must be pointing in the direction of airflow.

D Installation Instructions

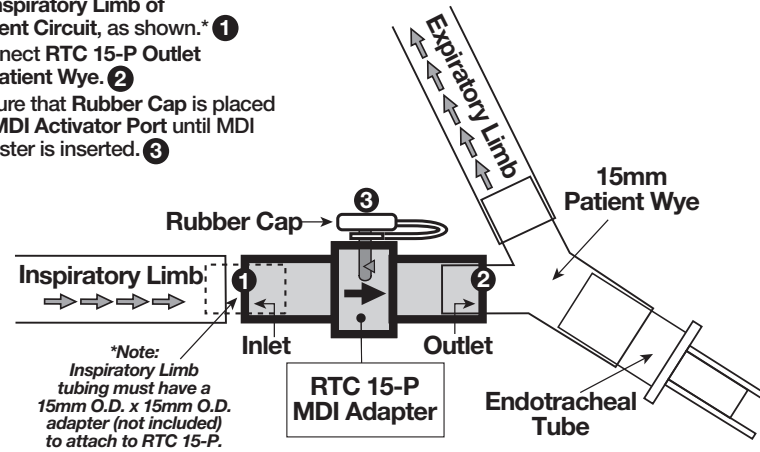
RTC 15-D – Placed at Endotracheal Tube

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



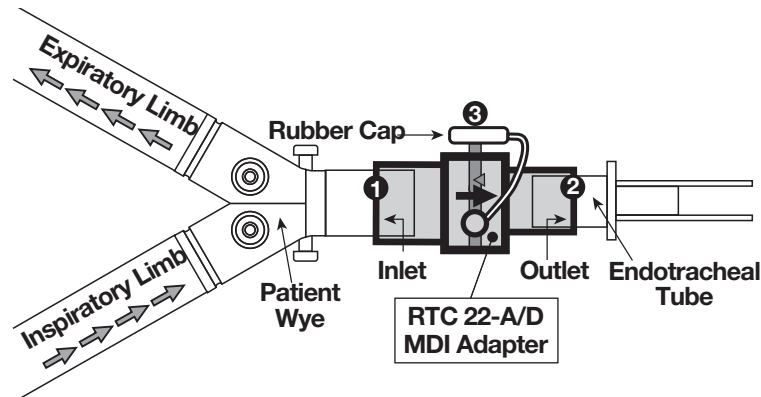
RTC 15-P – Placed in Inspiratory Limb

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



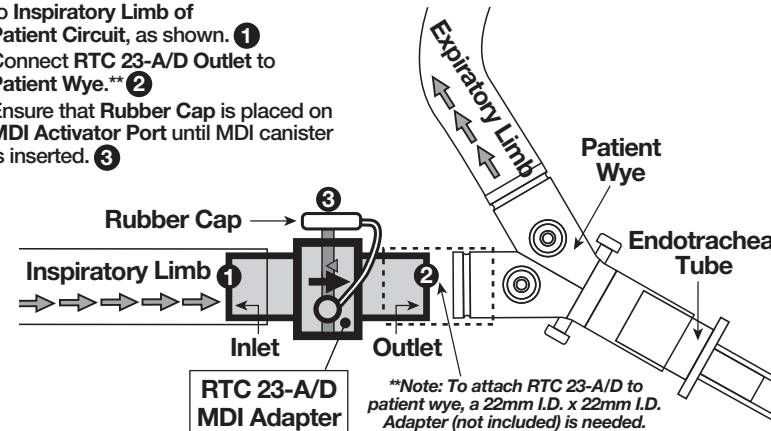
RTC 22-A/D – Placed at Endotracheal Tube

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



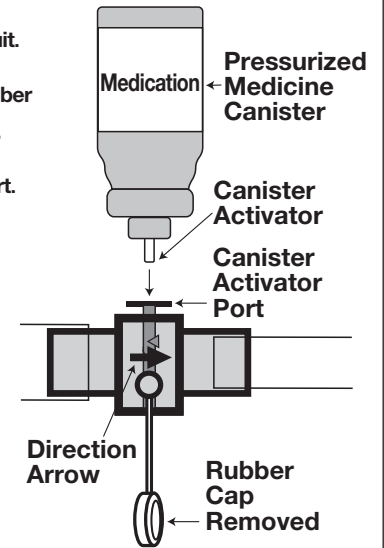
RTC 23-A/D – Placed in Inspiratory Limb

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



E Canister Insertion

- Install MDI Adapter in Patient Circuit. (Panel D)
- Remove Rubber Cap from MDI Adapter Canister Activator Port.
- Insert Pressurized Medicine Canister into Canister Activator Port.



F 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.

- 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.
- Remove Canister from MDI Adapter Canister Activator Port. Direction Arrow.
- Replace Rubber Cap. Rubber Cap Removed.

