

## Section 8 — Cleaning

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**Caution:** The pump is not designed to be immersed underwater. Do not immerse the pump or power adapter in water or other cleaning solutions. Failure to follow the cleaning procedures described herein could result in hazards to users, patients, and clinicians. As with any A/C powered electrical device, care must be taken to prevent liquid from entering the pump to avoid electrical shock hazard, fire hazard, or damage to electrical components.

**Caution:** Disconnect pump from A/C power source before cleaning. After cleaning, do not connect to an A/C power source until pump and power adapter are thoroughly dry.

If any of the following events occur, **do not use** the pump until it has been properly cleaned and dried. For assistance, please contact Customer Service:

- Wetting of the pump's power adapter
- Leakage into the pump interior

### General cleaning directions

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#### Cleaning Chemicals:

A mild, common dish washing liquid detergent should be used for general cleaning. This detergent should be used with a 20:1 ratio water to detergent mixture.

Wipe down the pump with a paper towel moistened with the cleaning solution, removing all visible soil. Use a brush to remove soil from hard to reach crevices.

**Caution: The use of cleaners and disinfectants other than the ones described in the instructions for use may cause significant damage to the pump and may void warranty.**

#### Cleaning Frequency:

It is recommended that the pump be cleaned after each feeding set use for a minimum duration of 30 seconds, to prevent bacterial contamination of the pump. Further, failure to clean the pump can interfere with the function of the pump rotor, which can increase the occurrence of errors and warning alarms. See below for methods for cleaning each component.

#### Directions for Cleaning pump Housing

- Refer to General Cleaning Directions before starting.
- Clean outside surface with a damp cloth or sponge using a mild detergent.
- For difficult to clean areas, it is permissible to wash the pump under running water. Avoid submerging the pump or washing with high pressure nozzles, which exceeds the water proof rating of the pump. The pump casing has a water proof rating of "water jet resistant". This allows for washing under running water or wiping with a damp cloth.

#### Directions for Cleaning Power Adapter

- Refer to General Cleaning Directions before starting.
- Unless soiling is observed, the power adapter should not be cleaned.
- If cleaning of the power adapter is necessary, unplug from outlet and wipe the exterior surfaces of the wall plug with a cloth dampened with isopropyl alcohol.

- Allow excess moisture to evaporate from the cord prior to use of power adapter.
- **Caution: Washing the power adapter with a wet cloth, under running water, or through submersion will result in damage to the unit!** The power adapter is rated IPX0, which means it is not water resistant.

**Caution: Avoid exposing the power adapter to excess moisture, as this can lead to an electrical shock or fire hazard.**

### Preventative maintenance

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This pump may be periodically tested to assure proper functioning and safety. Testing may be done at the user's Biomedical Engineering Department, an outside service, or by Covidien Factory Service.

To arrange for Covidien Factory Service in the US, call 1-800-448-0190. In Canada, call 1-877-664-8926. Outside of the US and Canada, please contact your local Customer Service for more information.

If a pump malfunctions, please contact your Covidien Representative or call Customer Service for instruction.

### General disinfection directions

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#### Disinfection chemicals:

The pump can be disinfected by wetting their surfaces with a 10:1 water and chlorine bleach mixture for a minimum duration of 10 minutes. To wet the devices, use at least two bleach wetted lint-free wipes and wipe as necessary to maintain visual wetness for 10 minutes. Repeated disinfection with this solution can damage the plastic housings.

#### Disinfection frequency:

It is necessary to clean and disinfect the pump after each use when these devices are used for multiple patients. This is to prevent spreading bacteria, viruses, and other germs between patients that interact with the same pump.