

## MAINTENANCE AND REPAIR

CANÈ S.p.A. Medical Technology Company, manufacturer of the Crono model ambulatory infusion pumps, declares that the devices do not need programmed service maintenance if used in conformity with the user guide.

**If the pump malfunctions or is damaged the pump has to be returned to the distributor of PID pumps in the country in which it is purchased for forwarding to the manufacturer.**

## MANUAL CLEANING AND DISINFECTION OF THE PUMP

**WARNING:** do not carry out the cleaning and disinfection procedure if the pump is missing from any part (e.g. battery compartment door) or if there is visible damage to the front label.

**WARNING:** cleaning and disinfection must be performed whenever the device shows visible traces of dirt, and before the pump is passed to a new user.

### TABLE SETUP

Before proceeding with the preparation of the necessary material, it is advisable to take the following precautions:

1. wash your hands;
2. set up a clean work area.

### MATERIAL REQUIRED:

**Detergent** (neutral pH) available in supermarkets and/or pharmacies.

**IPA disinfectant** (70% non-sterile IsoPropyl Alcohol based) available in supermarkets and/or pharmacies.

**Purified or distilled water** available in supermarkets.

**Toothbrush with soft bristles** available in supermarkets and/or pharmacies.

**Disposable gauzes (at least 7 units)** available in pharmacies.

### OPTIONAL MATERIAL (available in supermarkets)

**Disposable gloves** to be used during the procedure.

**Scottex-type absorbent paper** to keep on the table and dry your hands during the procedure.

**Disposable cups** to hold water and water/detergent.

**WARNING:** CRONO SUPER PID infusion pump is not waterproof and therefore must not be immersed or placed under a jet of liquid to remove dirt residues.

During the various phases of cleaning, dry your hands frequently to avoid the accumulation of liquid on the pump surface.

**WARNING:** the gauzes are disposable and must be discarded after each single operation.

Clean and disinfect your toothbrush after each use or, alternatively, use a new one for each cleaning.

When the bristles of your toothbrush get worn/dirty permanently you need to replace it.

**NOTE:** in case of difficulty in finding materials, contact the distributor (see section 12 of this manual).

**HOW TO PROCEED:**

**WARNING:** to obtain an effective result, all phases of the following procedure must be carried out scrupulously as described.

1. **Moisten a soft toothbrush with purified water; add a drop of neutral detergent**, then brush gently the soiled locations (pushbuttons of the keypad, edge of the battery compartment and the head, comprising the attachment for the syringe wings, pushing unit, eyelets), without creating aerosols, until visibly clean.  
**Remove excess foam with a gauze** and discard it.

**WARNING:** visually check that all dirt residues are removed.

2. **Dampen a gauze with the neutral detergent mixed with purified water** and wipe the outer surfaces of the pump.
3. **Moisten a gauze with purified water** and wipe the outer surfaces of the pump to remove any detergent residue.  
**Dry with a gauze.**
4. **Moisten a gauze with Non-Sterile IPA 70%**, and wipe the outer surfaces of the pump. The disinfectant must be in contact with the device surfaces for at least 5 minutes, to achieve microbial inactivation.

**WARNING:** the pump must not be immersed in disinfectant. The pump should be wiped continuously for at least 1 minute, then wait for 4 minutes to allow the evaporation of the disinfectant, before moving on to the next operation.

5. After evaporation of the disinfectant, **wipe with a gauze moistened with purified water** to remove any residue of disinfectant from the outer surfaces of the pump.  
**Then dry with a gauze.**
6. After completing the cleaning and disinfection process, **visually inspect the device** to detect any visible soil.

**WARNING:** if upon inspecting the device following cleaning, there are visible traces of dirt, repeat the procedure.

**WARNING:** if the pump has not been cleaned for long periods, it is possible that some stains caused by drugs or particularly aggressive substances cannot be removed during the cleaning and disinfection process.