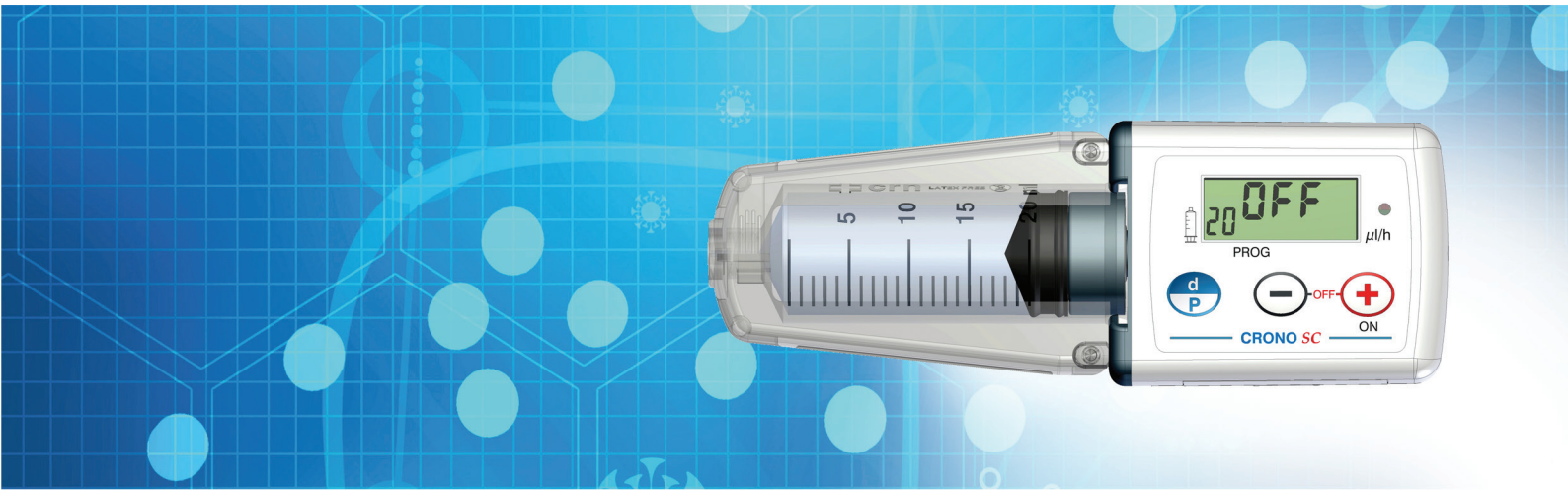
CANE
MEDICAL TECHNOLOGY

Technology for health

# CRONO SC




## Ambulatory pump

www.canespa.it

## PUMP DESCRIPTION

***CRONO*** SC ambulatory pump has been designed for the subcutaneous infusion of drugs for the palliative care of terminal patients and for the subcutaneous infusion of Treprostinil.
The pump is indicated for subcutaneous use and allows for 4 administration methods:

1. Continuous
2. Bolus on request
3. Clinical bolus (managed by the doctor)
4. Combined (continuous + bolus on request + clinical bolus).

The pump is equipped with a settings lock to prevent incorrect or unauthorised administration.
The liquid crystal display shows practical information to the doctor and patient about the settings, operation and diagnostics of the pump.

## TECHNICAL CHARACTERISTICS

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|---|---|
| **Pump dimensions** | 76 x 49 x 29 mm (3.00 x 1.94 x 1.15 in). |
| **Pump dimensions (with protective wings)** | 138 x 49 x 29 mm (5.43 x 1.94 x 1.15 in). |
| **Weight** | 115 g (including battery) |
| **Weight (with protective wings)** | 127 g (4.46 oz.), including battery. |
| **Battery** | 3 Volt Lithium battery, mod. 123 A (battery life approximately 100 infusions). |
| **Single-use reservoirs** | Special 10 and 20 ml reservoirs with “Luer-Lock” universal safety fitting. |
| **Administration doses** | Selectable, from 1 ml to 20 ml in 1 ml increments. |
| **Priming function** | Only available at the start of the infusion. The maximum volume that can be delivered is 1500 µl in 5 µl increments. |
| **Flow rates selectable** | From 5 to 2000 µl/h in 1 µl/h increments:<br>It is possible to disable this function by setting 0 µl/h |
| **Bolus dose** | Selectable, from 10 µl to 2000 µl in 10 µl increments.<br>It is possible to disable this function by setting 0 µl. |
| **Clinical bolus** | Selectable, from 10 µl to 2000 µl in 10 µl increments.<br>It is possible to disable this function by setting 0 µl. |
| **Minimum interval between bolus doses** | Selectable, from 5 min to 24 hours in the following modes:<br>- from 5 minutes to 1 hour in 5 minute increments;<br>- from 1 hour to 24 hours in 15 minute increments.<br>It is possible to disable this function by setting no,Lt. |
| **Bolus doses in one hour** | From 0 to 12 bolus doses. The function may be disabled by setting no,Ln. |
| **Flow rate precision** | +/- 2%. |
| **Maximum occlusion pressure** | 2.5 bar +/- 1.5 (PL1); 4 bar +/-2 (PL2); 5.5 bar +/- 2 (PL3) |
| **Settings memory** | The settings are automatically entered in a flash memory which is retained even if the device is left without a battery. |
| **Display** | Liquid crystal display (dimensions 1.1 x 2.8 cm). |
| **Motor** | Coreless DC motor. The microcontroller controls the rotation speed using an infrared encoder. |
| **Safety circuits** | They check that the device is functioning correctly, intervening in the event of any fault with acoustic signals and messages on the display. |
| **Anti free-flow system** | To avoid a non controlled flow inside the delivery set due to the action of the force of gravity |
| **Supplied standard equipment** | Ambulatory infusion pump, infusion pump carry-case, elastic belt, collar strap, fabric case, 2 batteries, battery cover opening tool, 2 user manuals (doctor and patient). |
| **Guarantee** | Two years for manufacturing defects. |

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**CANÈ S.p.A.**
via Cuorgnè 42/a - 10098 Rivoli (TO) - Italy
Tel.+39-011-9574872 - Fax +39-011-9598880
www.canespa.it - mailbox@canespa.it

TDS PS3ADEN Rev.2 03-2021