

CALMED CT 1400

**AUTOMATED CO₂ INSUFFLATION SYSTEM
FOR CT-COLONOGRAPHY/VIRTUAL COLONOSCOPY**



CALMED CT 1400 FOR CT-COLONOGRAPHY

CT Colonography has quickly emerged to be the method of choice for revealing colorectal cancer. The key to a successful examination and diagnose is proper insufflation of the colon with carbon dioxide in order to facilitate high comfort for the examined patient.

The Calmed CT 1400 Insufflator takes advantage of a constant pressure technology practically eliminating the risk for penetration of the colon.

Additionally the Calmed CT 1400 Insufflator has been designed for continuous operation during the whole cycle of the examination process and fulfils all applicable requirements for CT Colonography with carbon dioxide. It features a carriage enabled to host two gas tubes of any size due to it's unique tube holder.



The carriage wagon has a functional design and is kept clean with ease. The top of the carriage wagon is designed to perform as a working area. There are hangers for the tube set on both sides to allow easy placement on optional side of the main CT unit.

There is space for two gas tubes of almost any size. The gas tubes are located in a fix and secure position preventing them from detachment from the unit. An armed and secured high pressure hose between the gas tube and the control unit fulfils all safety requirements. The frame of the carriage wagon is connected to earth for operators safety. The electrical cord is adjustable up to a length of 5 meters.



The front of the unit hosts the Control Panel with the main ON/OFF Switch and Touch Buttons enabling Gas Flow Control. The initial setup of the gas flow will be automatically maintained during the whole examination process as well as the control panel will continuously display the total gas usage.



The control unit is designed to enable easy service operations and maintenance.

KEY FEATURES:

Automatic control of gas pressure and gas flow during the examination process.

Optical and acoustic alarm at deviations from normal operation standards.

Easy to operate – a minimal setup of user friendly button aided controls.

Easy to clean, stable and sturdy carriage with wheels and table set up.

3 years guarantee.

A UNIVERSAL TUBE SET

A tube set leads the CO₂ gas from the insufflator to the patient. The total length of the set is 3.8 meters enabling a flexible placement of the insufflator in the examination room. There is a 240 ml collection bag for body fluids and a hydrofilter of 0.1 micron to protect the insufflator from contamination. The tube set is provided with a unique all purpose 9 mm catheter with a silicone balloon. The balloon is filled with air by a disposable syringe. The volume of air is chosen to fix the catheter and according to patient comfort but the balloon can be filled up to 90 ml which gives a diameter of 48 mm.



The tube set is connected to the Calmed CT 1400 Insufflator through a luer connector.

An adapter makes it fully compatible with other insufflators on the market.

The tube set is only for single use.

TECHNICAL DATA

Gas:	Medical carbon dioxide
Maximum gas flow:	3 or 5 l/min
Pressure setting range:	5 - 25 mm Hg
Electric connection:	100....220 Volt, 50/60 Hz
Measures:	58 x 48 x 103 cm (W x D x H)
Weight:	43 kgs excl. gas tubes

CE 0402

Patent Pending



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