

MEDICCO₂LON



The MedicCO₂LON device is intended to be used for colonic distension with CO₂ gas for CT colonography procedures. The device should only be used for CT colonography procedures and should not be used for any other patient examination procedure.

MedicCO₂LON is designed to function with specific colonic insufflation administration sets that allow passage of gas from the device to the colorectal cavity.

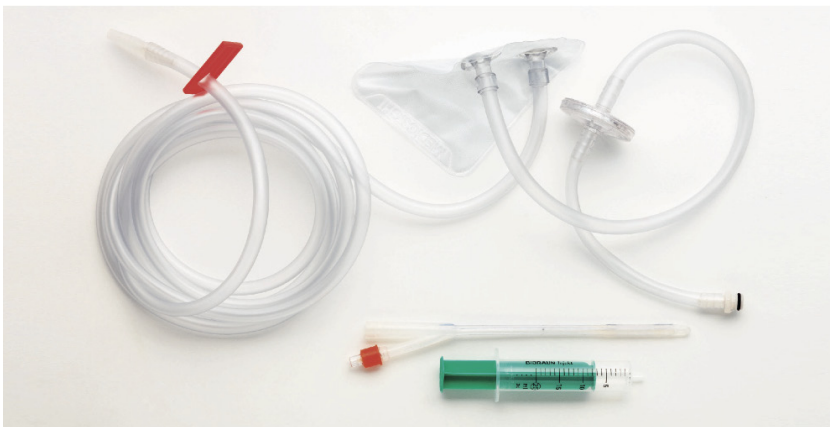
Device Specifications:

Control	EU/USA Version	Japanese Version
Target Pressure	5 - 30 mmHg selectable in 1mmHg steps	5-25 mmHg
Pressure Hold	±10% of Target Pressure	
Target Flow	1, 2, 3, 4 LPM selectable	1, 2, 3 LPM
Flow Profile	0.5LPM per 0.5L delivered volume, up to target flow rate	
Volume	12L maximum delivery with optional volume stops at 4, 6, 8 and 10L	
Display	Range	Accuracy
Gas Pressure	0 - 75 mmHg	±1mmHg of displayed value
Gas Flow	0 - 5 LPM	±10% at 3LPM
Gas Volume	0 - 12 L	±20% of displayed value
Pressure Relief	Activation Pressure	Accuracy
Electronic Valve	50mmHg or +10% of Target Pressure for 5 seconds	±1 mmHg
Mechanical Valve	1.5psi (78mmHg nominal)	±15%
Physical		
Size	235 mm x 160 mm x 180 mm (width x height x depth)	
Weight	<2.0 Kg	
Data Presentation	150mm x 90mm LED Backlit LCD with Resistive Touch Interface	
CO ₂ Supply		
CO ₂ Supply Pressure	1.5 - 2.0 Bar Regulated	
Gas Supply	Single "C" or "D" size CO ₂ cylinder	
Electrical Power Supply		
AC Input Voltage	90 - 260 VAC	
Frequency	46-64Hz	
Power Consumption	40VA	
Fuse Type/Rating	High Breaking Capacity T3.15A 250V	
Safety		
Standards	Designed and tested to BS EN 60601-1:2006	
Electrical Designation	Class I Type B	

Operating	
Ambient Temperature	+10°C to +40°C
Relative Humidity	30 – 70% non-condensing
Ambient Pressure	700 kPa to 1060 kPa
Transit and Storage	
Ambient Temperature	-40°C to +70°C
Relative Humidity	10% to 100%, including condensation
Ambient Pressure	500 kPa to 1060 kPa

WARNING: Not to be used in the presence of flammable gases. This unit has not been tested for MR compatibility and should not be introduced into a MR examination suite.

Accessories:



Included Accessories	
CO ₂ Input Tubing	4mm (OD) Polyurethane Tubing, 2m length
Spanner	30x32mm Open ended spanner for regulator attachment
Pin Index Key	Plastic Key for On/Off control of the Pin Index fitting
Regulator	
Construction	High Pressure Regulator for CO ₂ Cylinders with Pin Index Yoke
Output	2 bar preset output, 4mm push fit connection.
Administration Set	
Construction	Single use set with integrated filtration and locking connector
Filtration	0.1 micron PTFE porous hydrophobic filter and effluent bag
Additional Elements	Catheter, Syringe
Catheter	
Type I	230mm (±5mm)
Type II	410mm (±5mm)

ATTENTION: The Administration Set is supplied non-sterile. 

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 MedicCO₂LON is designed and manufactured for Medicsight Inc. by Ultrasound Technologies Ltd.