



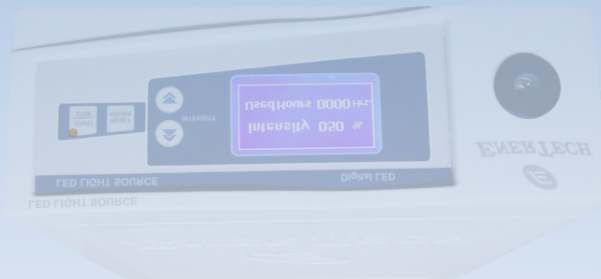
ENERTECH

Enertech Endoscopy Products

CO₂ Insufflators



....Setting The Highest Standards



LED Light Source



CO₂ Insufflators



ENCO₂ 20 L



ENCO₂ 30 L

HIGH PERFORMANCE COST EFFECTIVE TECHNOLOGY :

Microcontroller based, Feather Touch, Digital System

The Enertech CO₂ Insufflators are next generation newly designed line CO₂ insufflators with outstanding technical features. These units are controlled by microprocessor of the latest generation. Stable pressure balance in the abdomen is guaranteed by high gas flow performance with progressive and low insufflation pressure.

FEATURES :

Advance Flow Control

The Enertech CO₂ Insufflators stands for AFC (advance flow control insufflations) for precise and safe gas flow control.

Software

It's "intelligent" Software controlled pressure release mechanism prevents dangerous pressure build up in the abdomen when using such apparatus as laser or argon beamers.

TECHNICAL SPECIFICATION:

Model	ENCO ₂ - 20 L	ENCO ₂ - 30 L
Insufflation Pressure	4 - 30 mm Hg	0 - 30 mm Hg
Dimension(WxHxD)	290mm x 110mm x 300mm	290mm x 110mm x 300mm
Weight	3.5 kg	3.5 kg
Gas	CO ₂ (Medical)	CO ₂ (Medical)
Gas Connection	UNF 7/16"	UNF 7/16"
Power Consumption	15 Watts Maximum	15 Watts Maximum
Input Pressure Minimum	3 Bar	1 Bar
Input Pressure Maximum	10 Bar	10 Bar
Output Connection	4 to 5mm ID tube	4 to 5mm ID tube
Flow Rate Setting	1 to 20 Ltr/min.	1 to 30 Ltr/min.
Keyboard	Feather Touch	Feather Touch
Gas Warmer	Builtin	Builtin
Manufactured and tested	IEC 601-1 / EN 60601-1	IEC 601-1 / EN 60601-1
Input Supply Voltage	230 VAC + 15% @ 50/60 Hz (110 V optional)	230 VAC + 15% @ 50/60 Hz (110 V optional)

STANDARD ACCESSORIES



Silicone Patient Tube with Connector	1 No
Inlet Pressure Regulator	1 No
High Pressure Inlet Tube	1 No
Spanner	1 No



CO₂ Insufflators With Air



ENCO₂ 20 L With Air



ENCO₂ 30 L With Air

HIGH PERFORMANCE COST EFFECTIVE TECHNOLOGY :

Microcontroller based, Feather Touch, Digital System

The EnerTech CO₂ Insufflators are next generation newly designed line CO₂ insufflators with outstanding technical features. These units are controlled by microprocessor of the latest generation. Stable pressure balance in the abdomen is guaranteed by high gas flow performance and low insufflation pressure.

Advantage :

- ▶ In emergency cases due to unavailability of Co₂ cylinders, the air mode can be used to complete the surgery as it does not require any cylinder

Safety

Automatic self check, activated each time unit is switched on, make sure all electronic and pneumatic components are in good running order.

Inbuilt System Gas Heater

The unit comes with built in high efficiency gas heater. The gas heater is pre adjusted and works on plug and play basis fully automatically.

Real Time Data Display

LED 7 segment display for set pressure, actual pressure, set volume, gas consumption volume, start stop LED and fault.

TECHNICAL SPECIFICATION:

Model	ENCO ₂ - 20 L with Air	ENCO ₂ - 30 L with Air
Insufflation Pressure	4 - 30 mm Hg	0 - 30 mm Hg
Dimension(WxHxD)	290mm x 110mm x 300mm	290mm x 110mm x 300mm
Weight	4 kg	4 kg
Gas	CO ₂ (Medical) + Air	CO ₂ (Medical) + Air
Gas Connection	UNF 7/16"	UNF 7/16"
Power Consumption	15 Watts Maximum	15 Watts Maximum
Input Pressure Minimum	3 Bar	1 Bar
Input Pressure Maximum	10 Bar	10 Bar
Output Connection	4 to 5mm ID tube	4 to 5mm ID tube
Flow Rate Setting	1 to 20 Ltr/min.	1 to 30 Ltr/min.
Keyboard	Feather Touch	Feather Touch
Gas Warmer	Built in	Built in
Manufactured and tested	IEC 601-1 / EN 60601-1	IEC 601-1 / EN 60601-1
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STANDARD ACCESSORIES



Silicone Patient Tube with Connector	1 No
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ENERTECH

LED LIGHT SOURCE

FEATURES:

- ▶ Powerful Bright White Light.
- ▶ Digital User Interface for Intensity control.
- ▶ Used hours totalliser for usage data of long life.



Enertech launches it's new generation Technology of LED Light Source, which is revolution in lighting Technology. It has got numerous advantages as compared with traditional Halogen or Xenon Light Source.

Technical Specification

Technical Specifications	
Life Span of LED	@ 50000 Hours
Power	100 Watts
Light Guide Connection	Storz Type
Intensity Control	0 to 100
Colour Temperature	6000 ^o k
Operation Temperature	10 ^o C to 40 ^o C
Operation Humidity	10% to 90%
Dimension (W X H X D)	290mm X 125mm X 305mm
Frequeny	50 Hz
Voltage	170 V - 270 V AC (110 VAC optional)
Weight	3.5 kg

Classification	
Safety Class	1
Type	BF
Manufactured and Tested Acc to	IEC 601-1-1 and IEC 601-1-2
Classification of Directive 93/42 EEC	1

Advantages of using LED Light Source:

LONG LIFE SPAN : An LED's life span is up to 50,000 hours.

COST SAVING : In addition to reduced energy bills, LED last atleast 20 times longer than traditional xenon or halogen light. Saving are realized from 19 fewer purchase and from reduced maintenance costs.

ENERGY SAVING : LED light saves up to 80% of energy consumption.

LOW HEAT : LED is solid, and there is no filament and glass. So LED produced very low heat which reduces the risk of peripheral burns. eg. Telescopes or fibre optic cables etc.

STANDARD ACCESSORIES



FIBER OPTIC CABLE

International Quality Autoclavable
CE Marked
Conformance to : 93/ 42/EEC
Medical Device Directive

ENERTECH

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