

# CO<sub>2</sub> Gas Insufflator ENDO FLATOR Series

**ENDOMED**  
S Y S T E M S



The **ENDO FLATOR** is designed for continuous gas supply from bottles or central gas system, easily switchable by the built in software. In order to reduce the post-surgery problems this unit can optionally be equipped with a gas heater. The powerful software enables the self-check to ensure that all electronic and pneumatic components are in good running order, this unit provides three different flows of 20, 30 and 45 l/min.

- Full automatic
- Filter system for sterility
- Up to 45 l/min
- Microprocessor controlled
- Gas heater (optional)

## ENDO FLATOR Series

## EndoMed Insufflator

| Item No. | Description  |
|----------|--|
| 810110   | ENDO FLATOR 200: Fully automatic CO2 insufflator with maximum 20 l/min gas flow          |
| 810120   | ENDO FLATOR 300: Fully automatic CO2 insufflator with maximum 30 l/min gas flow          |
| 810130   | ENDO FLATOR 450: Fully automatic CO2 insufflator with maximum 45 l/min gas flow          |
| 810210   | ENDO FLATOR 200H: Full Automatic CO2 Insufflator with max. 20 l/min gas flow with HEATER |
| 810220   | ENDO FLATOR 300H: Full Automatic CO2 Insufflator with max. 30 l/min gas flow with HEATER |
| 810230   | ENDO FLATOR 450H: Full Automatic CO2 Insufflator with max. 45 l/min gas flow with HEATER |

# CO<sub>2</sub> Gas Insufflator

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### Technical Specifications

| Device                              | ENDO FLATOR Series  |
|-------------------------------------|---|
| Dimensions (WxHxD)                  | 355 x 105 x 253 mm  |
| Weight                              | 6.7 kg  |
| Power Supply                        | 100 - 240 V AC, 50 - 60 Hz  |
| Power Consumption                   | 25 – 40 VA (25 -105 VA with gas heating)  |
| Safety Class                        | Protection class: I<br>Application part: Type BF  |
| CE Standard                         | Classification acc. 93/42/EEC: I<br>EN ISO 13485   93/42/EEC   IEC 601-1, EN 60601-1C   |
| Gas                                 | Carbon dioxide (medical)  |
| Gas Connection                      | UNF 7/16"   |
| Delivery Contains                   | Insufflator, mains cable, CO2 high pressure tube UNF for German gas connection (810008), wrench set: SW14/ SW30, sterile filter, standard silicone tube (standard version), system gas heater with tube set (only with heater version), user manual |
| Features                            |   |
| Flexible Gas Supply                 | The device can be used with gas bottles or central gas supply systems. The gas supply mode can be changed very easily by integrated software.   |
| System Gas Heater                   | For reduction of post-surgery problems the DF series is available with a high efficient gas heater. The gas heater is preset and works on a plug and play base full automatically. The heat exchanger can be autoclaved with the tube set           |
| OSD                                 | The On-Screen-Display gives the surgeon the possibility to display the important values on the monitor.   |
| ACF                                 | The DF Series stand for Advance-Continuous-Flow-Insufflation. That means no more disruption between gas flow and pressure reading phases.   |
| Safety                              | The automatic self-check is activated each time the unit is switched on to ensure that all electronic and pneumatic components are in good running order  |
| Differential Pressure Indicator     | A colored LED array shows the actual set point pressure difference between set value and factual value in the patient   |
| Options                             |   |
| Gas Heater                          |   |
| Environmental Conditions            |   |
| Temperature (Operation)             | +10 °C to +40 °C  |
| Temperature (Transport and Storage) | -20 °C to +45 °C  |
| Max. relative Humidity              | During operation: 70%<br>During storage and transport: 70%  |