

# INSUFFLATOR

## CO<sub>2</sub>-INSUFFLATOR D-FLOW series

- Full automatic
- Filter system for sterility
- Up to 45 liters/ minute
- Microprocessor controlled



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Series	Description
D-Flow 20	• without heater, Maximum gasflow: 20 l/min
D-Flow 30	• without heater, Maximum gasflow: 30 l/min
D-Flow 45	• without heater, Maximum gasflow: 45 l/min
D-Flow 20H	• with heater, Maximum gasflow: 20 l/min
D-Flow 30H	• with heater, Maximum gasflow: 30 l/min
D-Flow 45H	• with heater, Maximum gasflow: 45 l/min

### Technical Data

Insufflator pressure:	• 0 - 30 mmHg
Power supply:	• 100 - 240 VAC, 50 - 60 Hz
Power consumption:	• 25 - 40 VA (25-105 VA with gas heating)
Protection class (acc.to IEC 60601-1):	• I
Safety class:	• BF
IP code:	• IP 20
Standard:	• IEC 60601-1-2 / IEC 60601-1-1
Device classification (EU) 2017/745, annex VIII:	• IIb
Gas:	• Carbon dioxide (medical)
Gas connection:	• UNF 7/16"
Dimensions:	• Control unit: 355mm x 105mm x 253mm (WxHxD); 6,7 kg
Delivery contains:	• Insufflator, mains cable, CO <sub>2</sub> high pressure tube UNF to German gas connection, wrench set: SW17/ SW30 (sterile filter)* standard silicone tube (not H version), system gas heater with tube set (only H version), user manual
Features:	<ul style="list-style-type: none"><li>• 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.</li><li>• System gas heater: For reduction of post surgery problems the DF Series is available with a high efficient gas heater. The gas heater is preadjusted and works on a plug and play base full automatically. The heat exchanger can be autoclaved with the tube set.</li><li>• 2 modes available:<ul style="list-style-type: none"><li>- Needle (pre-insufflation) use for veress-needle</li><li>- Trocar (main insufflation) use for high-flow-instruments</li></ul></li><li>• ACF: The DF Series stands for Advance-Continuous-Flow-Insufflation. That means no more disruption between gasflow and pressure reading phases.</li><li>• 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. This safety feature carries a guarantee for lifetime of the unit. The changeable sterile filter prevents reflux of liquids and contamination of the gas way.</li><li>• Differential pressure indicator: A colored LED array shows the actual-setpoint pressure difference between setted value and factual value in the patient.</li></ul>