

# Fluid Pump

## ENDO *Pump* 100

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



The **ENDO *Pump* 100** is a medical fluid pump designed to deliver fluid under a given pressure to an operating area.

The device is dedicated to arthroscopic, hysteroscopic and urologic surgeries. Controlled by a control unit panel or a remote controller. Used with disposable and day-use tubing sets.

- Precise calibration of measuring system
- Flush function
- Non-volatile memory of recent settings
- Three working modes
- Acoustic and visual signals
- Optional control by a remote controller

### ENDO *Pump* 100

### EndoMed Systems Fluid Pumps

Item No.	Description
820400	Arthroscopy pump, pressure 10 – 150 mmHg, flow 0,1 – 2,0 l/min
830400	Urology pump, pressure 10 – 150 mmHg, flow 0,1 – 1,0 l/min
840400	Hysteroscopy pump, pressure 10 – 200 mmHg, flow 0,1 – 0,5 l/min

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### Technical Specifications

Device	ENDO <i>Pump</i> 100
Power Supply	100-240 V AC, 50-60 Hz
Safety Class	Protection class: I Application part: Type BF
CE Standard	Classification acc. 93/42/EEC: I EN60601-1; EN60601-1-2
Casing Safety Standard	IP X1
Dimensions (WxHxD)	330 x 120 x 306 mm
Weight	7,5 Kg
Max. flow rate in the irrigation channel	1,8 l/min (+/- 10%)
Max. flow in the suction channel	1,8 l/min (+/- 10%)
Max. pressure in the irrigation channel	400 mmHg (+/- 50mmHg)
Suction pressure	-50 kPa to -60 kPa

### Features

- 7" touchscreen display with an intuitive interface
- Activation power with pedal and/or handle
- Split return electrode use allowed
- Monopolar and Bipolar independent output
- Minimally invasive surgical treatment allowed
- RF power pulse emission time setting
- Least amount of lateral heat
- Sound level control
- Working condition storing
- Updates by USB-Stick
- Adaptive power control
- Patient/plate contact control
- Vessel Sealing up to 7 mm
- Underwater Bipolar Cut
- Auto Start/Stop in Bipolar Coag.
- RF power pulse interval setting
- Less smoke in cutting mode
- Planning of the working conditions
- Preset protocols

### Environmental Conditions

Temperature (Operation)	+10°C to +40°C
Temperature (Transport and Storage)	-20° C to +45°C
Max. relative humidity	During operation: 70% During storage and transport: 70%

### Features

#### TUBING FOR FLUID PUMP 810401

Tubing sets for EndoMed Endoscopy Fluid Pump. Designed to make it easy for medical staff to prepare a pump for a surgery. Two options available: Single-use or day-use tubing sets (as an economical solution).

Single-Use Tubing Set (SUTS): Installed directly to the pump control unit to endoscopy sheath. Use of single-use tubing sets enforces their change after each surgery.

Economic-use tubing, consisting of:

- 1) Day-Use Pump Part (DUPP):** Installed directly to the pump control unit and a Single-Use Patient Part (SUPP)
  - 2) Single-Use Patient Part (SUPP):** Installed directly to a Day-Use Pump Part (DUPP) and to an endoscopy sheath.
- No need of changing fluid bag and Day-Use Pump tubing after each surgery. It saves time for preparation for a new patient.

#### FLUID PUMP REMOTE CONTROL (810402)

Remote control for EndoMed Endoscopy Fluid Pump. It makes it possible to control the fluid flow and pressure without staying close to the control unit panel. Made from an esthetic and solid material.

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