



## FLUID CONTROL LAP 2216

The effective, all-purpose suction irrigation pump for laparoscopy

# FLUID CONTROL LAP 2216

An effective and dependable suction and aspiration system is extremely important for any laparoscopic intervention. Apart from effective irrigation and suction power, you as a surgeon are also reliant on simple and effortless operation. **We combine optimum performance parameters** in our **new generation of FLUID CONTROL LAP 2216 Suction Irrigation Pumps** with very easy handling.

The latest technology using an RFID (Radio Frequency Identification) transponder provides enhanced safety during application. The coded tubes mean that the type of tubing, the validity and dependability of the tubing sets used is automatically identified by the unit.

The validity of each tubing set is checked automatically when it is connected at the start of a procedure. This ensures that single use tubing sets are indeed used only once and the reusable set is prevented from reuse once its maximum life is reached.

## More control during the operation

The maximum irrigation and suction output of 2 l/minute offers you the option of quickly getting the necessary overview and clarity in difficult and confused situations.

## Mix-ups excluded

The RFID tubing sets mean that incorrect fittings and malfunctions are avoided from the outset.

## Simple integration and intuitive handling

The compact dimensions of the **FLUID CONTROL LAP 2216** suction irrigation pump permits integration in any available laparoscopy tower without requiring a great deal of space.

Positioning the tubing set and the actual operation are carried out intuitively and ensure additional process safety during the course of the operation together with the RFID-coded tubing set.

## Efficient cleaning

The unit has been provided with a special surface to facilitate easy and thorough cleaning for the **FLUID CONTROL LAP 2216** Suction Irrigation Pump.

Product	Order no.
<b>FLUID CONTROL LAP 2216 Set</b> FLUID CONTROL LAP 2216, suction irrigation pump for laparoscopy (2216001), incl.: power cable (2440.03).....	22160011
<b>Accessories list</b>	
<b>Tubing set with piercing connector</b> , (for irrigation), with luer-lock connector, autoclavable, incl. 10 replacement membranes, reusable for 20 reprocessing cycles, for FLUID CONTROL LAP 2216.....	8171223
<b>Tubing set with piercing connector</b> , (for irrigation), with luer-lock connector, sterile single use item, pack of 10 for FLUID CONTROL LAP 2216.....	4171223
<b>Tubing set with Care-Lock®</b> , (for irrigation), sterile single use item, pack of 10, for FLUID CONTROL LAP 2216.....	4171224
<b>Tubing set with piercing connector</b> , (for irrigation), with connector for suction-irrigation handle (8385.901), incl. drain tube, pack of 10, for FLUID CONTROL LAP 2216.....	4171225
<b>Tubing set reusable</b> , (vacuum tube) autoclavable.....	8170.401
<b>Protective filter for gas filtration</b> , hydrophobic, (hygiene filter).....	4171.121
<b>Suction container PSU</b> , 3 liter, autoclavable.....	8170.981
<b>Suction container</b> , 3 liter, single use item, pack of 2.....	2215.971
<b>Holder</b> , for fixing the suction container on irrigator stand or MUT cart.....	2215.992
<b>Universal holder</b> , for FLUID CONTROL LAP 2216 on RIWomobil.....	32114605

Technical data	
Power connection:	100 – 240 V~, 50/60 Hz
Max. power consumption:	52 VA
Max. current consumption:	100 V: 0.5 A, 240 V: 0.22 A
Classification in conformity with guideline 93/42/EEC:	Ila
Safety class:	I
Degree of protection:	Type BF
Protection rating (IP Code):	IP41
Maximum output:	Irrigation: 2.0 l/min (±10%) Suction: 2.0 l/min (+0.4/-0.1 l/min)
Maximum pump pressure:	400 mm Hg (± 50 mm Hg)
Motor cut-out:	500 mm Hg after 5 s (± 25 mm Hg)
Suction pressure:	between -50 kpa and -60 kpa
Connections:	Equipotential bonding, vacuum connection, service connection
<b>Dimensions:</b>	<b>width x height x depth</b>
With clamping screw:	140 x 210 x 295 (mm)
Without clamping screw:	140 x 210 x 200 (mm)
Weight:	approx. 4 kg
Manufactured and tested in conformity with:	IEC 60601-1 / EN 60601-1