

**LEMKE.**

PUMP

MULTI-INDICATION PUMP



PUMP

NEW

## Multi-Indication Pump

Thinking ahead: Four devices in one

- Laparoscopy
- Arthroscopy
- Hysteroscopy
- Urology

### Resource-saving, simple, innovative

Different Pump Systems have been used for each indication up until now. This means hospitals increasingly face problems pertaining to training time and effort, as well as logistics.

The Multi-Indication Pump facilitates everyday routine hospital activities. The ingenious device combines a streamlined design, easy operation, and maximum safety. Key parameters are seen at a glance, allowing for quick and correct actions by personnel. Clinical tests have shown that the device – and with all four indications – can be operated with confidence after just one training session.

Stringent safety measures reliably prevent overpressure in the application area. Each device is the culmination of over 40 years of expertise and experience in the field of developing pumps.



Innovative: The Pump head is integrated in the housing and allows for easy insertion of the tube.

# PUMP

## Laparoscopy

All functions required of the Pump can be adjusted via the touch screen with easy to use controls. Unambiguousness ensures maximum safety during surgery.



## Arthroscopy

The clearly arranged and intuitive graphical user interface makes it possible to see all key parameters at a glance. The wash function optimizes the visual conditions in the joint. Flow and pressure are adjustable. Highly stringent safety standards prevent overpressure within the joint.



## Hysteroscopy

Pressure and flow are controlled intuitively via setting keys. A scale to measure the deficit is an available option. The display prominently depicts the status of the fluid deficit.



## Urology

Security is the alpha and omega in the field of minimally invasive surgery. The display design optimally supports handling of the Pump. Important data immediately catch the eye and action prompts facilitate proper operation of the Pump, thereby increasing safety considerably. A deficit measurement is an available option.



## PUMP

### Patient safety

The Pump can be used with up to four indications. Each indication can be unlocked individually as well as combined with one another. The automatic instrument recognition optimally adjusts the Pump to the instrument to be used. A transponder in the tube ensures the highest level of patient safety and maximizes pump output. The device is also equipped with a vacuum pump for suction, a 5.7" touch screen display, and an optional foot switch. The Pump is designed for more than 15 languages.



An original LEMKE tube set with transponder protection.

#### Devices

Item No.	Description
APUH302-L01	Pump

#### Accessories

Part No.	Description
T0505-01	Tube set for Irrigation, disposable
T0506-01	Tube set for Irrigation, reusable, 20 uses
T0500-01	Day patient tube set for Irrigation, disposable*
T0501-01	Day tube for Irrigation, disposable*
T0502-01	Tube set for Suction, disposable
T0503-01	Tube set for Suction, 2 connectors, disposable
T0504-01	Tube set for Vacuum, incl. Filter, disposable
T0550-01	Transponder, Indications LAP, ARTHRO, HYS and URO
T0551-01	Transponder, Indication LAP
T0552-01	Transponder, Indication ARTHRO
T0553-01	Transponder, Indication HYS
T0554-01	Transponder, Indication URO
Z0223-01	Differential volume scale

\*Indications LAP, ARTHRO

Power supply cord and further accessories available upon request.



Tube set for Irrigation, disposable (T0505-01)



Tube set for Irrigation, reusable, 20 uses (T0506-01)



Transponder



Differential volume scale (Z0223-01)

# PUMP

## Technical Data

Pressure range	Laparoscopy: not adjustable Arthroscopy: 15-150 mmHg Hysteroscopy: 15-150 mmHg Urology: 15-150 mmHg
Flow range	Laparoscopy: 1.0-2.0 l/min Arthroscopy: 0.1-2.0 l/min Hysteroscopy: 50-500 ml/min Urology: 100-500 ml/min
Suction capacity	Max. 2 l/min (depending on outflow cannula)
Power supply	100-240 V~
Frequency	50-60 Hz
Power consumption	80 VA
Current consumption	100 V: 0.8 A 240 V: 0.3 A
Classifications	Protection Class I, Type BF, IP 41
Dimensions (w x h x d)	381 x 149 x 379 mm
Weight	6.3 kg

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