



Laerdal

helping save lives



- ✓ Small and Lightweight only 1.5 kg
- ✓ Unique 300 ml Canister
- ✓ 2 year warranty RTCA version available

Laerdal Compact Suction Unit 4

Compact and powerful

The LCSU 4 is our most advanced compact suction unit. Weighing only 1.5 kg and having a flow rate of 30 liters/minute, the LCSU 4 is the perfect tool for first responders and medical personnel. The disposable canister that clicks in place removes the hassle of external tubing that could slow down the rescue process. With vacuum ranging from 50-550 mmHg (66-733 bar), this portable suction unit can be used on all patients, from newborns to adults. With the pediatric range indicator and LED display, the LCSU 4 makes suctioning in the most difficult situations, easier. The LCSU 4 offers two canister sizes, the smaller 300 ml canister and the larger 800 ml canister. This compact suction unit has a battery life of up to 45 minutes continuous use on free flow suction, allowing healthcare providers to tackle the toughest challenges.



LCSU 4 300 ml



LCSU 4 800 ml



Flexible configuration allows 300 ml and 800 ml canisters to be used with the same pump

Laerdal Compact Suction Unit 4 – compact and powerful

PHYSICAL CHARACTERISTICS

LCSU 4 - 300 ml version

| | |
|---------------------|---|
| Dimensions | 18.5 cm x 26.2 cm x 8.12 cm (7.3" x 10.3" x 3.2") |
| Weight | 1.53 kg (3lbs 5oz) |
| Canister capacity | 300 ml |
| Patient Tube Length | 0.9 m (3') |

LCSU 4 - 800 ml version

| | |
|---------------------|--|
| Dimensions | 23.6 cm x 19 cm x 23.6 cm (9.3" x 7.5" x 9.3") |
| Weight | 1.97 kg (4lbs 7oz) |
| Canister capacity | 800 ml |
| Patient Tube Length | 1.8 m (6') |

REGULATORY STANDARDS AND APPROVALS

Europe: CE marked as class IIa device in accordance with Council Directive 93/42/EEC Medical Device Directive, as amended by Council Directive 2007/47/EC.

USA: Cleared under 510(k) as a class 2 device.

Canada: Holds a class 2 medical device license

Electrically powered medical suction equipment for field and transport use, according to ISO10079-1:1999

RTCA/DO-160G – Section 21 Category M (RTCA units only)

Laerdal Medical is certified by DNV GL Presafe AS to ISO 13485:2016

PERFORMANCE

| | |
|---------------------------|---|
| Air flow @Vacuum Inlet | 30 LPM (free flow) typical (maybe less when running from internal battery) |
| Vacuum – Max | 550+ mmHg |
| Vacuum – Range | 50 - 550+ mmHg |
| Vacuum Indicator accuracy | +/- 5% of full scale |
| Noise Level | < 70 dB(A) |

ELECTRICAL

| | |
|------------------------------|--|
| Requirements | 100-240 VAC 50~60 Hz 1.2 A Max; 12 VDC, 3.4 Ah |
| Power Source Options | |
| - Internal Battery Operation | Rechargeable Battery, NiMH 12 volt 1.6 Ah Charging time: Up to 5 hours (full capacity) Battery run time: Approximately 45 minutes (free flow) |
| - External 12V DC Operation | DC Power-cord for connection to vehicle 12V DC |
| - External AC Operation | AC/DC Adapter Charger Input: 100-240 V, 50-60 Hz, 1.2 Ah Output: +12 V, 3.4 Ah |
| - External Battery Charger | Input: 110-240 V, 50-60 Hz, 250 mA Output: +18.5 V, 0.6 Ah |

Mode of Operation

Intermittent Operation: 30 minutes on, 30 minutes off

ENVIRONMENTAL CONDITIONS

| | |
|-----------------------|--|
| Temperature Range: | 0 °C (32 °F) – 40 °C (104 °F) |
| Relative Humidity: | 0 - 95% (non condensing) |
| Atmospheric Pressure: | 10.2 Psi (70 kPa) – 15.4 Psi (106 kPa) |

STORAGE AND TRANSPORT

| | |
|-----------------------|---------------------------------------|
| Temperature Range: | -40 °C (-40 °F) – 70 °C (158 °F) |
| Relative Humidity: | 0 - 95% (non condensing) |
| Atmospheric Pressure: | 7.3 Psi (50 kPa) – 15.4 Psi (106 kPa) |

ORDERING INFORMATION:

880051xx **LCSU 4 Main Unit**
880052xx **LCSU 4 Main Unit RTCA (for operation in aircraft)**
*800 ml Disposable Canister, Patient Tube 1.8 m (6')
AC/DC Adapter charger, w/AC Power cord, Battery,
Directions for Use, Carry Bag (for 800 ml version),
Wire Stand, Vacuum Tube*

880061xx **LCSU 4 Main Unit**
880062xx **LCSU 4 Main Unit RTCA (for operation in aircraft)**
*300 ml Disposable Canister, Patient Tube 0.9 m (3'),
AC/DC Adapter charger, w/AC Power cord, Battery,
Directions for Use, Carry Bag (for 300 ml version)*

Consumables

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|--------|--|
| 886100 | 300 ml Disposable Canister w/tubing |
| 886102 | 800 ml Disposable Canister w/tubing |
| 886104 | 800 ml Disposable Canister w/o tubing (Qty. 6) |
| 886105 | Patient Tube 1.8 m (6') Disposable |
| 886106 | Vacuum Tube (for 800 ml) |

Accessories

| | |
|--------|---|
| 886108 | Wire Stand (for 800 ml) |
| 886115 | Wire Stand (for 300 ml) |
| 886109 | Carry Bag (for 300 ml) |
| 886110 | Carry Bag (for 800 ml) |
| 886111 | AC/DC Adapter Charger w/o Power cord |
| 886112 | External Battery Charger |
| 884500 | DC Power cord |
| 886107 | Replacement Filter (Qty. 10) (for 800 ml) |
| 886116 | High Efficiency Filter Kit (for 800 ml) |

Spare Parts

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|--------|-------------------------------------|
| 886113 | Battery, 12 V DC NiMH, Rechargeable |
| 886123 | Battery Cover (door) |
| 886125 | Shoulder Strap for bags |
| 886126 | AC Power cord US |
| 886127 | AC Power cord EU |
| 886128 | AC Power cord UK |



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