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.
**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**


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
- Vacuum – Max: 550+ mmHg
- Vacuum – Range: 50 - 550+ mmHg
- Vacuum Indicator accuracy: +/- 5% of full scale
- Noise Level: < 70 dB(A)

**ELECTRICAL**

- Requirements: 100-240VAC 50–60 Hz 1.2 A
- Power Source Options:
  - Internal Battery Operation: Rechargeable Battery NiMH 12 volt 1.6 Ah
  - 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:**

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<th>Code</th>
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<tr>
<td>880051xx</td>
<td>LCSU 4 Main Unit</td>
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<tr>
<td>880052xx</td>
<td>LCSU 4 Main Unit RTCA (for operation in aircraft)</td>
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<tr>
<td>880061xx</td>
<td>LCSU 4 Main Unit</td>
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<tr>
<td>880062xx</td>
<td>LCSU 4 Main Unit RTCA (for operation in aircraft)</td>
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<tr>
<td>886100</td>
<td>300 ml Disposable Canister with tubing</td>
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<tr>
<td>886102</td>
<td>800 ml Disposable Canister with tubing</td>
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<tr>
<td>886104</td>
<td>800 ml Disposable Canister without tubing</td>
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<tr>
<td>886105</td>
<td>Patient Tube 1.8 m (6”) Disposable</td>
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<tr>
<td>886106</td>
<td>Vacuum Tube (for 800 ml)</td>
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**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**

- 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