Compact • Powerful • Reliable

Laerdal Compact Suction Unit® 4

Like the professionals who use it, the LCSU®4 delivers uncompromising patient care.

With a suction range from 50 to 550 mmHg, the LCSU 4 can be adjusted for use in the most challenging situations, whether it be a newborn or adult – ensuring you always have just the right amount of power. Compact, powerful, and reliable, Laerdal’s newest suction unit combines rugged design with lightweight portability, making it an essential tool for every first responder.
Laerdal Compact Suction Unit® 4

**PHYSICAL CHARACTERISTICS**

**LCSU® 4 - 300 ml version**
- **Dimensions**: 7.3” x 10.3” x 3.2” (18.5 cm x 26.2 cm x 8.12 cm)
- **Weight**: 3.3 lbs (1.53 kg)
- **Canister Capacity**: 300 ml
- **Patient Tube Length**: 3’ (0.9 m)

**LCSU 4 - 800 ml version**
- **Dimensions**: 9.3” x 7.5” x 9.3” (23.6 cm x 19 cm x 23.6 cm)
- **Weight**: 4.3 lbs (1.97 kg)
- **Canister Capacity**: 800 ml
- **Patient Tube Length**: 6’ (1.8 m)

**CLASSIFICATION**


ISO Classification

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

NOTE: Part# 88005101 and Part# 88006101 are not certified to RTCA/DO-160E - Section 21 Category M (for battery operation only, commercial aircraft, airborne equipment). For airborne application please contact Laerdal.

**PERFORMANCE**

- **Air Flow at vacuum inlet**: 27 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**: 100-240 VAC 50~60 Hz 1.2 A
- **Power Source Options**
  - **Internal Battery Operation**: Rechargeable Battery, NiMH 12V 1.6 Ah
    - **Charging time**: Up to 5 hours (full capacity)
    - **Battery run time**: Approx. 45 min. (free flow)
  - **External 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 A
    - **Output**: +12V, 3.4 A
  - **External Battery Charger**: Input: 110-240 V, 50-60 Hz, 250 mA
    - **Output**: +18.5 V, 0.6 A
    - **Mode of Operation**: Intermittent
    - **Intermittent Operation**: 30 minutes on, 30 minutes off

**ENVIRONMENTAL CONDITIONS**

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

**STORAGE AND TRANSPORT**

- **Temperature**: -40 °F(-40 °C) – 158 °F (70 °C)
- **Relative Humidity**: 0 - 95% (non condensing)
- **Atmospheric Pressure**: 7.3 PSI (50 kPA) – 15.4 PSI (106 kPA)

**LCSU 4 CATALOG NUMBERS**

- **88005101 LCSU 4 Main Unit**
  - 800 ml Disposable Canister, Patient Tube 6’ (1.8 m)
  - AC/DC Adapter Charger, w/AC Power-cord, Battery, Directions for Use, Carry Bag (for 800 ml version), Wire Stand, Vacuum Tube

- **88006101 LCSU 4 Main Unit**
  - 300 ml Disposable Canister, Patient Tube 3’ (0.9 m)
  - AC/DC Adapter Charger, w/AC Power-cord, Battery, Directions for Use, Carry Bag (for 300 ml version)

**Consumables**

- **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 6’ (1.8 m) 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 w/o Power-cord
- **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)
- **886124**: Rubber Feet (Qty. 2)
- **886125**: Shoulder Strap for bags
- **886126**: AC Power-cord US
- **886127**: AC Power-cord EU
- **886128**: AC Power-cord UK

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Variable vacuum regulator

(50 - 550 mmHg)

Control panel features include:
- On/Off button, external power indicator, low battery indicator and LED regulator display

Field replaceable rechargeable Ni/MH battery pack

88006101 LCSU 4 (300 ml)

88005101 LCSU 4 (800 ml)