



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	100-240VAC 50~60 Hz 1.2 A Max; 12VDC, 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: 100-240V, 50-60 Hz, 1.2 Ah Output: +12V, 3.4 Ah
- External Battery Charger	Input: 110-240V, 50-60 Hz, 250 mA Output: +18.5V, 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) <i>800 ml Disposable Canister, Patient Tube 1.8 m (6')</i> <i>AC/DC Adapter charger, w/AC Power cord, Battery,</i> <i>Directions for Use, Carry Bag (for 800 ml version),</i> <i>Wire Stand, Vacuum Tube</i>
880061xx	LCSU 4 Main Unit
880062xx	LCSU 4 Main Unit RTCA (for operation in aircraft) <i>300 ml Disposable Canister, Patient Tube 0.9 m (3'),</i> <i>AC/DC Adapter charger, w/AC Power cord, Battery,</i> <i>Directions for Use, Carry Bag (for 300 ml version)</i>

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 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

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

