



Laerdal
helping save lives



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

At your side, on every call

Laerdal Compact Suction Unit 4

When a patient's airway is obstructed, every second counts.

With a suction range from 50 to 550 mmHg, LCSU4 can be adjusted for use – from newborns to the most demanding suction patients – 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.

COMPACT – enough to hold in your hand

POWERFUL – enough to get the job done

RELIABLE – because it's Laerdal



Available for use in aircrafts (LCSU4 RTCA)



www.laerdal.com

Laerdal Compact Suction Unit 4

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 (3.375 lbs)
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 (4.35 lbs)
Canister capacity	800 ml
Patient Tube Length	1.8 m (6')

CLASSIFICATION

This product is in compliance with the essential requirements of Council Directive 93/42/EEC Medical Device Directive, as amended by Council Directive 2007/47/EC, class IIa

ISO Classification

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)

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: 100-240V, 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:	-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)

LCSU 4 CATALOGUE NUMBERS

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

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



Variable vacuum regulator
(50 - 550 mgHg)



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



Field-replaceable rechargeable
NiMH battery pack



880061xx LCSU 4 (300 ML)
880062xx LCSU 4 RTCA (300 ML)

880051xx LCSU 4 (800 ML)
880052xx LCSU 4 RTCA (800 ML)