

SPECIFICATION FOR LAERDAL SUCTION

UNIT (LSU)

1. It should be electrically powered equipment for field and transport use according to ISO 10079 – 1 : 1999
2. It should have protection class IP34D, according to IEC 529:1989
 - i.e a) Should be protected against solid foreign objects of 2.5mm diameter & greater.
 - b) Should be protected against splashing water
 - c) Should protected against access with a wire

3. Should have Overall tolerance of $\pm 5\%$

4. Approx. free air flow at different settings to be

80 mmHg	120 mmHg	200 mmHg	350 mmHg	500+mmHg
12sl/min	16sl/min	20 sl/min	23 sl/min	>25 sl/min

5. Approx. battery operation time (free air flow) at different settings to be ($\pm 10\%$)

80 mmhg	120 mmHg	200 mmHg	350 mmHg	500+mmHg
3h 20 min	2h 20 min	1h 30 min	1h	45 min

6. Approx noise level (free air flow) at different settings to be

80 mmHg	120 mmHg	200 mmHg	350 mmHg	500+mmHg
46 dBA	48 dBA	51 dBA	53 dBA	56 dBA

7. Max Vacuum to be $> 50\text{mmHg}$ (67 KPa)

8. Max Vacuum range to be 80 to 500 +mmHg (11.67 KPa)

9. Vacuum indicator accuracy to be $\pm 5\%$ of full scale

10. Power requirement to be as follows

Operating/Charging AC:* 100-240 VAC + 10% /-15%, 50-60 Hz $\pm 3\text{Hz}$
(100-240 VAC), 400 Hz $\pm 3\text{Hz}$ (100-120 VAC)

Operating/Charging DC:** 12-28 VDC $\pm 10\%$.

Battery: 12 VDC 2 Ah, sealed Lead-Acid, Rechargeable.

