

Medical Aspirators



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LG-1A Electric Suction Apparatus

Model **LG-1A** Electric Suction Apparatus, intended for extracting various mucus such as purulence, blood and phlegm from body cavity or wound and used in hospitals or center of social medical service, is a mobile suction unit with a high flow, high vacuum and a novel style. It can satisfy most demands in operating rooms.

Product overview

1. An oil-less vacuum pump, double piston cylinder with a high flow, high vacuum, needs maintenance free.
2. Move smoothly and freely with a swing-type pull handle; the accessory-case for placing foot-switch and power supply wire makes it convenient for movement or storage.
3. Large-bore and large capacity bottles with stopper having sealing ring, easy to clean and to open or close.
4. The overflow protection device is intended to prevent liquid or solid particles from entering the intermediate tubing and pump.
5. Transparent non-toxic PVC hoses and unique connections are easy to observe and link.
6. The level of vacuum required in clinic can be controlled by adjusting the regulator knob, and a synchronized indication on the vacuum meter.
7. Stability and durability, low noise, safe and reliable to operate.

Specification parameter

1. Max vacuum: $\geq 0.09\text{MPa}$ (680mmHg)
2. Adjustable vacuum range: $0.02\text{MPa} \sim 0.09\text{MPa}$ (150~680mmHg)
3. Flow rate: $\geq 32\text{L/Min}$
4. Noise: $\leq 60\text{dB (A)}$
5. Storage bottles: $2500\text{mL} \times 2$ (glass) (the two or one of them can be changed to 2L PC bottle)
6. Power supply: AC220V 50Hz
7. Input: 150VA
8. Dimension: $370\text{mm} \times 310\text{mm} \times 390\text{mm}$
9. Package Dimension: $400\text{mm} \times 380\text{mm} \times 480\text{mm}$
10. G.W./N.W.: 14.5kg/12kg



LG-2A Electric Suction Apparatus

Model **LG-2A** Electric Suction Apparatus is a beauty, high vacuum, high flow and transportable medical suction unit. It is able to absorb varied mucus rapidly from body cavity or wound, to satisfy most demands in operating rooms, wards and so on.

Product overview

1. Maintenance free, oil-less pump, and high flow rate with less pollution.
2. Large-diameter storage bottle, stopper with sealing ring, easy to open, fasten down and clean.
3. Overflow protection device prevents liquid from entering into the inner pipe and pump.
4. Transparent non-toxic PVC hoses, easy for observation.
5. Air filter protects pump from being polluted.
6. Hand switch and foot switch installed in parallel, can be selected at will.
7. Work stably and durably, low noise, long service life.

Specification parameter

1. Max Vacuum: $\geq 0.09\text{MPa}$ (680mmHg)
2. Adjustable vacuum range: $0.02 \sim 0.09\text{MPa}$ (150~680mmHg)
3. Flow rate: $\geq 40\text{L/min}$
4. Noise: $\leq 60\text{dB (A)}$
5. Storage bottles: $2500\text{mL} \times 2$ (glass) (the two or one of them can be changed to 2L or 3L PC bottle)
6. Input: 250VA
7. Power supply: AC220V 50Hz
8. Dimension: $360\text{mm} \times 320\text{mm} \times 830\text{mm}$
9. Package Dimension: $465\text{mm} \times 425\text{mm} \times 935\text{mm}$
10. G.W./N.W.: 23.5 kg/20kg



LG-1B Electric Suction Apparatus

Model **LG-1B** Electric Suction Apparatus offers high vacuum and high flow with double piston cylinders. It rapidly builds up a powerful vacuum within seconds. It provides flexible and combinable container system to satisfy various applications in clinic.

Product overview

1. Providing extremely efficient vacuum with maintenance-free and easy service.
2. The level of vacuum required is controlled by the vacuum regulator and showed on the vacuum meter.
3. The overflow protection device prevents liquid or solid particles from entering the intermediate tubing and pump; the bacterial filter for single use can eliminate airborne contamination.
4. Five kinds of jar configuration make it flexible to select, all jars available made of polycarbonate (PC), are transparent, unbreakable and autoclavable.
5. A novel exterior, small size and light weight make it easy and comfortable to carry about.

Specification parameter

1. Max vacuum: $\geq 0.09\text{MPa}$ (680mmHg)
2. Adjustable vacuum range: $0.02\text{MPa} \sim 0.09\text{MPa}$
3. Flow rate: $\geq 32\text{ L/min}$
4. Noise: $\leq 60\text{ dB (A)}$
5. Jar: $2000\text{ml} \times 1(\text{PC})$ (standard configuration)
6. Power supply: AC220V 50 Hz
7. Input power: 150VA
8. Dimension: $450\text{mm} \times 200\text{mm} \times 400\text{mm}$
9. Package Dimension: $545\text{mm} \times 260\text{mm} \times 375\text{mm}$
10. G.W./ N.W.: 7.5kg/5.5kg

Selective jar configuration

1000ml×1 1000ml×2 2000ml×1 2000ml×2
2000ml+1000ml



LG-3A Electric Suction Apparatus

Model **LG-3A** Electric Suction Apparatus offers high vacuum and high flow with double piston cylinders. It rapidly builds up a powerful vacuum, and is especially used for surgical operations where large quantities of fluid must be suctioned out quickly. Advanced design idea as well as a perfect configuration performs satisfactory functions.

Product overview

1. Oil-less piston pump, maintenance free, flow rate can reach to over 80L/min, rapid vacuum rising.
2. Overflow protection device prevents liquid from entering into the inner pipe and pump.
3. Air filter protects pump from being polluted.
4. Transparent and high intensity polycarbonate plastic jar, high capacity and easy to clean.
5. Can select empty container fast during operation by change-over valve, rinsing cup is for placing catheter during operation.
6. The accessory box on the back of the case is for laying foot switch, power cord, etc. which is more convenient during movement or storage.

Specification parameter

1. Max vacuum: $\geq 0.09\text{MPa}$ (680mmHg)
2. Adjustable vacuum range: $0.02\text{MPa} \sim 0.09\text{MPa}$
3. Flow rate: $\geq 80\text{ L/min}$
4. Noise: $\leq 60\text{ dB(A)}$
5. Jar: $4000\text{ml} \times 2 + 2000\text{ml} \times 2(\text{PC})$
6. Power supply: AC220 50Hz
7. Input power: 280VA
8. Dimension: $330\text{mm} \times 390\text{mm} \times 890\text{mm}$
9. Package Dimension: $440\text{mm} \times 500\text{mm} \times 995\text{mm}$
10. G.W./N.W.: 27 kg/22kg



LG-4A Electric Suction Apparatus (Diaphragm Type)



LG-4A Electric Suction Apparatus (Diaphragm type) is novel designed medical suction equipment with high vacuum and large flow, intended for extracting secretion from patients' airway or exudation and flushing fluid from body cavity during operation in medical institution.

Product overview

1. Oil-less diaphragm type pump, maintenance free, fast vacuum accumulation.
2. The pump runs practically with minimum noise under well-designed noise control system.
3. Overflow protection device prevents liquid from entering into the inner pipe and pump.
4. Stepless vacuum regulation is available based on clinic request.
5. Work stably, easy to operate, low noise and long service life.

Specification parameter

1. Max Vacuum: $\geq 0.093\text{MPa}$ (698mmHg)
2. Free airflow: $\geq 32\text{L/min}$
3. Liquid storage bottle: 2500ml $\times$ 2(glass)
(the two or one of them can be changed to 2L or 3L PC bottle)
4. Power supply: AC220V 50Hz
5. Noise: $\leq 60\text{dB}$ (A)
6. Input: 280 VA
7. Dimension: 360mm $\times$ 320mm $\times$ 830mm
8. Package Dimension: 465mm $\times$ 425mm $\times$ 935mm
9. G.W./N.W.: 28kg/25kg

LG-2B Children Absorb Phlegm Unit



LG-2B Children Absorb Phlegm Unit is specially designed for absorbing the thick phlegm and mucus in throat of children patient caused by phlegm choke in hospital. The unit features high suction speed, small in size, low noise and easy to carry and etc. it is an ideal medical apparatus for first aid and nursing of children.

Product overview

1. Intended for absorbing secretion from children patient's upper respiratory, ideal model for emergency treatment and nursing.
2. Adopt oil-free lubrication piston pump, stepless vacuum control, equipped with overflow protection device and air filter.
3. Small size, low noise, light weight, easy operation, convenient to carry.

Specification parameter

1. Max Vacuum: $\geq 0.07\text{MPa}$ (525mmHg)
2. Vacuum range: 0.01MPa(75mmHg)~Max
3. Flow rate: $\geq 10\text{L/min}$
4. Storage bottle: 800ml (PC)
5. Noise: $\leq 60\text{dB}$ (A)
6. Power supply: $\sim 220\text{V}$ 50Hz
7. Input power: 110VA
8. Dimension: 320mm $\times$ 140mm $\times$ 340mm
9. Package Dimension: 410mm $\times$ 210mm $\times$ 380mm
11. G.W./N.W.: 6kg/4kg

LG-3B Portable Absorb Phlegm Unit



Portable Absorb Phlegm Unit model **LG-3B**, designed for extracting various mucus such as grume and thick phlegm from patient's throat. It is widely used for emergency treatment in various hospital, first-aid conditions or center of social medical service

Product overview

1. A non-lubricant pump is adopted in the unit, preventing the environment from pollution by oil moist.
2. Never produces positive pressure, thus assuring safe and reliable application.
3. Unique designed regulating valve, minimizing the output flow loss.
4. Compact in size, easy to carry and simple operation.
5. Large-bore bottle made of PC plastics with high quality, convenient to clean, using safely.

Specification parameter

1. Max Vacuum: $\geq 0.08\text{MPa}$ (600mmHg)
2. Flow rate: $\geq 22\text{L/min}$
3. Storage bottle: 1000ml (PC)
4. Noise: $\leq 60\text{dB (A)}$
5. Power supply: AC220V 50Hz
6. Input: 110VA
7. Dimension: 450mm $\times$ 200mm $\times$ 400mm
8. Package Dimension: 545mm $\times$ 260mm $\times$ 375mm
9. G.W./N.W.: 6kg/4kg

LG-4B Portable Absorb Phlegm Unit

Portable Absorb Phlegm Unit Model **LG-4B** is the High Vacuum/High Flow absorb phlegm unit, and designed for aspirating various mucus such as grume and phlegm from patients, infants or young children throat. It is widely used for emergency treatment in various hospital, first-aid conditions or center of social medical service.



Product overview

1. Long life single piston cylinder which requires no lubrication or daily maintenance produces no pollution to the environment.
2. High flow, high vacuum, good performance and fast vacuum build-up. The vacuum can be regulated by the vacuum regulator according to the requirement, and displayed by the vacuum gauge.
3. Overflow protection device can safely and efficiently prevent the liquid from entering into the pump.
4. Body made of plastic material is light, compact and convenient for carrying and operating.
5. Autoclavable, transparent plastic bottle is more durable and more convenient for cleaning.

Specification parameter

1. Max Vacuum: $\geq 0.08\text{MPa}$ (600mmHg)
2. Vacuum range: 0.02(150mmHg)~Max Vacuum
3. Flow rate: $\geq 20\text{L/min}$
4. Noise: $\leq 60\text{dB(A)}$
5. Jar capacity: 1000ml (PC)
6. Input: 110VA
7. Power supply: AC220V 50Hz
8. Dimension: 320mm $\times$ 140mm $\times$ 340mm
9. Package Dimension: 410mm $\times$ 210mm $\times$ 380mm
9. G.W./N.W.:(1 set) 6.5kg/4kg;



LG-5B / LG-5B-1 Portable Aspiator (AC/DC)

This model is the latest portable AC/DC suction unit. It is specially used for secretion, blood, vomitus and mucus removal of the patient who have undergone tracheostomy or had the trachea blocked, and for emergency treatment to a respiratory tract patient in hospital, first-aid teams, or social medical services

Product overview

- 1. Long life piston cylinder which requires no lubrication or daily maintenance produces no pollution to the environment.
- 2. Provided with three kinds of electrical sources, AC power, external DC power, and internal battery. They may be attached to the cigar lighter (DC12V) directly when used on the vehicles such as ambulance.
- 3. The internal battery is charged with constant voltage and limited current while the unit is working or being attached to AC100V~240V 50/60Hz or external DC 12V power supply. The capacity of the battery is respectively indicated by green, yellow and orange LEDs.
- 4. Overflow protection device can safely and efficiently prevent the liquid from entering into pump. Bottles made of plastic material are transparent, durable and convenient for cleaning.
- 5. Body made of plastic material is handy and beautiful. The wall-mounting frame makes it widely used in the room, on vehicle and conveniently hung on the side of the wheelchair.

Specification parameter

- 1. Max Vacuum: $\geq 0.08\text{MPa}$ (600mmHg)
- 2. Vacuum range: 0.01 MPa~Max vacuum
- 3. Flow rate: $\geq 20\text{ L/min}$
- 4. Noise: $\leq 65\text{dB (A)}$
- 5. Jar capacity: 1000mL (PC)
- 6. Operating voltage: DC 12V ; AC 100V~240V 50/60Hz
- 7. Input: 110VA
- 8. **LG-5B**: Lead-acid battery, Battery working time (duration on full charge): $\geq 25\text{min}$;
LG-5B-1 Lithium battery, Battery working time (duration on full charge): $\geq 60\text{min}$
- 9. Dimension: 350mm x 140mm x 340mm
- 10. Package Dimension: 410mmx210mmx380mm
- 11. **LG-5B**: G.W./N.W.: 6.5/5kg;
LG-5B-1 :G.W./N.W.: 5.5/4.5kg



LG-6B Low Vacuum Electric Suction Unit

Low Vacuum Electric Suction Unit Model **LG-6B** is a special apparatus that is used for sucking amniotic fluid and phlegm from neonates and infants born by cesarean section. It can also be used for postoperatively suction in gastroenteric or in the Dept. of surgery and internal medicine.

Product overview

- 1. Safely powered by electromagnetic pump, no positive pressure producing.
- 2. The air emitted by the pump is prefiltered by a bacterial filter which provides an effective barrier against contamination and protection to the environment.
- 3. Overflow protection device prevents liquid from entering into the inner pipe and pump
- 4. Vacuum regulator with a locked set can be optionally regulated according the requirements.
- 5. Transparent plastic jar made of polycarbonate (PC) can be sterilized.
- 6. Body made of plastic material is light, compact, and convenient for carrying and operating.

Specification parameter

- 1. Max Vacuum: $18\pm 1.5\text{KPa}$ ($135\pm 11\text{mmHg}$)
- 2. Flow rate: $\geq 6\text{L/min}$
- 3. Noise: $\leq 55\text{dB (A)}$
- 4. Jar capacity: 1000ml(PC)
- 5. Input: 30VA
- 6. Power supply: AC220V 50Hz
- 7. Dimension: 320mmx150mmx320mm
- 8. Package Dimension: 390mmx190mmx340mm
- 9. G.W./N.W.: 3.2kg/2.5kg



Medical Air-Jet Air Mattress



LG-1C

LG-2C / LG-3C

Medical Air-Jet Air Mattress series is particularly designed to provide bed preventive healthcare for patients remaining in bed for a long period of time and suffering bedsores. For patients with somewhat swelling and ulceration, such mattress works well on treatment of bedsores and wounds following medicine administration.

Product overview

1. The air mattress fabric of **LG-1C** & **LG-2C** is Nylon PVC, while that of **LG-3C** is Nylon PU.
2. **LG-2C** series air mattresses consists of some independent tubular air cushions, according to the interval of the air cushions (1, 3, 5 ... 2, 4, 6 ...) composed of two alternative inflatable sets, which will transform the patients' parts bearing the body pressure.
3. When the air mattress working, it can reduce the humidity in the beddings, replace foul air through dry air jetted from the small holes, suppress the growth of microbes, and prevent and cure bedsores effectively with soft bearing of air mattress.
4. Powered with high quality electromagnetic pump, it can work with low noise, long life and stable performance.

Item	Model	LG-1C	LG-2C / LG-3C
Power supply		~220, 50Hz	~220, 50Hz
Power Input		11VA	11VA
Max working press		15KPa~20 KPa (220V)	15KPa~20 KPa (220V)
Noise		≤45dB (A)	≤45dB (A)
Fluctuation cycle time of the air mattress		12min±10%	12min±10%
Net weight		6 kg (one) 10kg (two)	6 kg (one) 12kg (two)
Gross weight		7 kg (one) 13kg (two)	7 kg (one) 15kg (two)
Dimension		Pump: 29.5cm×19cm×17.5cm Mattress: 190cm×82cm	Pump: 29.5cm×19cm×17.5cm Mattress: 190cm×90cm
Package dimension		36cm×23.5cm×32cm (one) 50.5cm×39cm×35.5cm (two)	36cm×23.5cm×39.5cm (one) 48.5cm×37.5cm×42cm (two)
Accessory		Connect hose, Fuse tube	Tubular air cushions, Double cavity connect hose, Fuse tube

Spare Parts:

			
Electromagnetic Pump	Storage bottle (PC)	Regulating Valve	2.5L Glass Jar
			
Lead-acid battery and Lithium battery	Piston pump	Air Filter	Vacuum gauge
			
Pedal Switch	Storage bag	Bottles for DXW-A Electric Gastric Lavage Machine	Suction Hose(2m)