



Suction Unit
catalogue **2021**



Mobile Suction Unit

Intended use:

An assembly of devices designed to evacuate fluid, tissue, gas, or other foreign materials from body cavity or lumen by means of suction. It generally consists of a mains electricity (AC-powered) suction pump, tubing plastic/glass collection container(s), a vacuum gauge, a vacuum control knob, an overflow trap, a moisture filter, and possibly a microbial filter.

NOTE:

- The atmospheric pressure decreases by -0.8cmHg for every 100 meters of sea-level rise, it won't affect the airflow rate. For example, the vacuum level loss by 16.8% at altitude 1524 Meters.
- The surgery mainly lies in the level of airflow rate (LPM), rather than the vacuum pressure.
- The suction tubing & accessories are the applied part that does not touch the patient directly.
- The equipment is not intended for unattended use.

Standards:

- Council Directive 93/42/EEC on Medical devices classified as Class IIa
- EN 60601-1, IEC 60601-1, EN 55011, EN 61000-3-2, EN 61000-3-3
- EN ISO 10079-1:2009/ISO 10079-1:1999

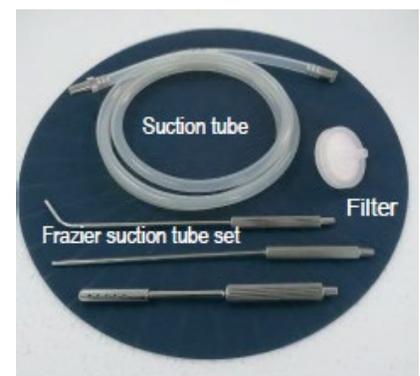


Technical Data:

- Dial regulate control knob to the max vacuum aspiration rate from LOW to HIGH capable of sustaining sufficient vacuum for most suction environment.
- Comes with 2 polycarbonate (PC) jars graduated in ml up to 2,500 ~3,000 ml.
- The bottle can changeover automatically once one bottle is full (Or choice for turning Controlled knob to work for another bottle when one bottle is full).
- Footswitch is used when the intermittent suction is needed.
- Mounted with 4 rubber anti-static castors with 2 lockable facilities.
- Silicone suction tubing and PC jars are autoclavable and reusable.
- Comes with the check valve preventing fluid back to bottles.
- SU-305: Come with a Locker on the back for convenient storage.
- SU-305P: Exterior housing is made of heavy-duty ABS, scratch-free, rust-free.
- Automatic overflow stopper preventing the fluid flow back to the first bottle.

Optional Accessories:

- Frazier suction tube 3pc/set.



To refine and improve the quality, all specifications are subject to change anytime without advanced notice.

Specification:

| Model | SU-305 | SU-305P |
|-------------------------------|---|--------------------------------|
| Overall dimension | 510 x 380 x 880 mm (W x D x H) | 585 x 380 x 930 mm (W x D x H) |
| Vacuum pump | Oil - less, 270W | Oil - less, 270W |
| Max airflow rate $\pm 5\%$ | 55 ~ 62 Liter/min | 55 ~ 62 Liter/min |
| Max vacuum mmHg $\pm 5\%$ | 720 ~ 740 mmHg | 720 ~ 740 mmHg |
| Net weight $\pm 0.5\text{kg}$ | 29.0 kg | 27.5 kg |
| Collection jars | 3,000ml x 2pcs (polycarbonate) | |
| Overflow protection | Yes | |
| Vacuum gauge | 0 ~ 760 mmHg (0 ~ 30inHg) | |
| Quality standard | ISO9001, ISO13458, ISO10079-1, CE Approval, GMP | |

Standard accessory: Silicone suction tubing x 1 pc + 3,000ml Polycarbonate bottle x 2 pcs (autoclavable and reusable)
+ Anti-bacteria filter x 1 pc + Footswitch x 1 pc

Optional accessory: Frazier suction tube 3pc/set

Portable Suction Unit

SU-510

Oil-less vacuum pump, quiet and maintenance free.



Technical Data:

- Equipped with an oil-less piston vacuum pump ensures lubrication-free and maintenance-free.
- A 1,000ml autoclavable Polycarbonate collection jar graduated in “ml” with fluid overflow preventing fitting.
- Built-in vacuum gauge ranges 0~760mmHg (0~30inHg) easy for direct reading.
- All models are CE certified complied with EMC requirement of EN60601-1/IEC60601-1-2/CISPR 11.
- Class B / IEC61000-3-2/IEC61000-3-3 and ENISO10079-1:2009.

Specification:

| Model | SU-510 |
|-----------------------------|-----------------------|
| Dimension approx. | 420 x 280 x 275 mm |
| Net/Gross weight | 6.0/7.0 kg |
| Vacuum pump | Oil - less, 110W |
| Max airflow rate $\pm 10\%$ | 50 Liter/min |
| Max vacuum mmHg | 650 ~ 670 mmHg |
| Overflow protection | Yes |
| Operation | AC |
| Power source | 110V or 230V, 50/60Hz |
| Battery (not include) | NA |
| Footswitch | Optional |

Optional Accessories:

- 1,000ml bottle
- Footswitch



Standard accessory: Silicone suction tubing x 1 pc + 1,000ml Polycarbonate bottle x 1 pc (autoclavable and reusable)
+ Anti-bacteria filter x 1 pc

Optional accessory: **1)** Footswitch, **2)** 1,000ml Polycarbonate bottle

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Sturdy reserves the right to improve the products herein without prior notice.