

Guidelines for Anand Suction Units

Dear Customer,

Thank you for selecting this versatile and need oriented suction unit.

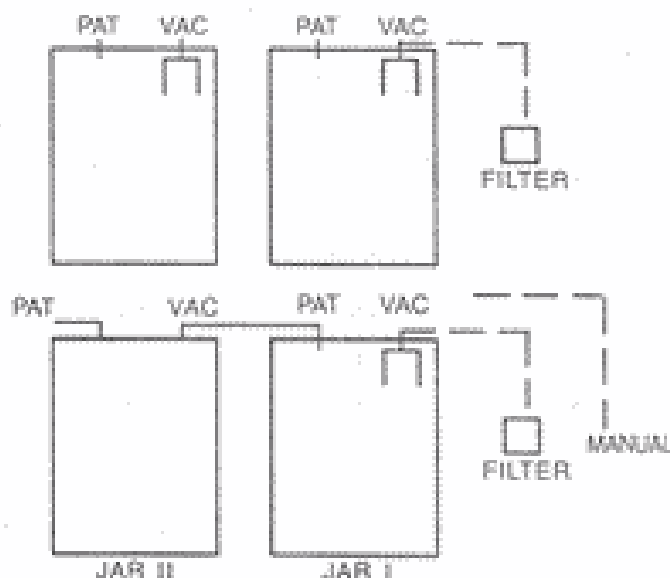
ASSEMBLY AND GENERAL INFORMATION

Motorised pump is housed in the cabinet. On the platform, apart from the oil container, is a filter which is the suction inlet.

- A. **USING ONE JAR** at one time : Filter is joined to the 'vacuum' marked nozzle on the lid. After cut off valve stops suction the tubing can be shifted to the other jar and the first jar can be emptied, cleaned and kept ready for reuse.

In Dual power suction unit, one jar can be used for electric system and the other for the manual system.

- B. **USING TWO JARS** at one time : Filter is joined to the 'vacuum' marked nozzle on the lid of jar I. Cut off valve (float) of jar II has to be removed by pulling. 'Patient' marked nozzle of the I has to be connected to the 'vacuum' marked of the II. The patient tube has to be used on II.



In Dual Power suction unit, while using the manual system, the tube hanging from the side marked 'manual' with the connector has to be connected to jar I in place of the tubing from the filter (electric system). In case one jar has to be used, patient tubing can be connected to jar I.

Before the unit is put on, please see that,

1. The mains power supply is well earthed. In case of fluctuation, use voltage stabilizer.
2. The vacuum control knob is not loose. It must be fully tightened clockwise.
3. The lids are tightly placed on the jars and the tube on the nozzle of the lids.
4. The oil container is full with lubrication oil No. 40.

So that there is no leakage at the nozzle-connector joint, press and twist the connector to make it snug fit. Same way while unplugging, twist and pull.

GUIDELINES FOR USE :

1. **LUBRICATION** : The unit must be lubricated with good quality oil (Mobile oil No. 40) as soon as oil container on the top gets empty. This way not only you get good suction but good service for years together.
2. **NEGATIVE PRESSURE** : Before the unit is put to use, vacuum must be set at the required level. Fully tightened (clockwise) vacuum control knob means full vacuum. Even otherwise, replacing of gauge/refill is suggested every six months.
3. **JARS** : As the flow rate is high, 1/2 filling of jar is recommended; otherwise splash droplets might enter the filter and, if not cleaned regularly, might enter the pump.
4. **CLEANING** : After each use, lids, overflow cut-off valve, suction cannulae, catheters etc. should be cleaned thoroughly. When sterilization is necessary after infective fluid has been sucked, the jars, the lids, cut-off valve and metal cannulae can be sterilized by autoclaving and the tubing, by sterilizing solution.
5. **FILTER** : Filter element (refill) **MUST** be changed after every normal day's work and immediately if wetted by froth, splash droplets of the infective material. The filter can be pulled out upwards and the cap unscrewed. Use **NON-ABSORBENT COTTON** wool as refill.

But if accidentally the fluid enters the pump, pullout the filter and run the unit by keeping a thumb on the suction inlet for a minute or two. Unscrew and take out the pin from the vacuum control knob and with the pump still on, gradually pour, 15-20 drops of oil in it. Block the inlet "OFF" and "ON" for a couple of times. Put the knob pin and the filter in their respective places. If it doesnot start, please consult the hospital engineer or the electrician. If this exercise is not done immediately after the accidental entry of blood in the pump the blood will stick dry inside the pump housing and the whole pump will have to be opened, cleaned, lubricated and set again. For this open the side door, remove plastic tubing (inlet point) and exhaust silencer (outlet point with metal 'L' tube). To dilute the dried blood, pour few drops of kerosene oil/diesel and make the unit on-off. After it takes a start keep the unit running and gradually pour 10-20 of mobile oil in the running unit. After say a run of 30 minutes or more put the tubing, exhaust outlet and door back to its original position.

The outlet point (exhaust) inside the housing can be opened, cleaned and gauze/refill replaced in it. Even otherwise, replacing of gauze/refill is suggested every six months.

6. In long duration operations, if possible, put off the unit even if for a few minutes.

TROUBLE SHOOTING :

Lack of suction - the possible reason could be

1. Tubing, lids and/or filter are not tightly placed.
2. The jars are cracked or tubing is worn out or leaks.
3. The vacuum control knob is not tight.
4. Lack of Lubrication

If the blood has entered the pump, the remedy is given above under FILTER. If the unit makes more noise, it needs lubrication. Also clean the exhaust outlet as per 5 above. But if it still persists, the sleeve bearing (bush) of the motor is worn out and needs replacement.

The unit is for use by a trained person only. For all the explanation given above, the final responsibility is that of the user. The unit has not to be tampered with by any mechanic other than our factory engineer or the person authorised.

The above instructions have to be followed to maintain your warranty.

For any further information, you are welcome to contact us at 011-5160025 : 5939206 Fax : 011-5451062, 0118-316752

सावधानी

- ट्रांसपोर्ट से भेजी मशीनों के तले पर (2 या 4) छे पहलू बोल्ट लगाए जाते हैं। चाबी से उतार लें नहीं तो आवाज़ होगी।
- विजली के उतार-चढ़ाव को सहने के लिये बोल्टेज स्टेबलाइज़र का प्रयोग करें।
- खून या पानी बोलल में से (फिल्टर के रास्ते) कभी भी पम्प में नहीं जाना चाहिए। यदि यह छलक से भी कुछ फिल्टर में जाए इसे खोलकर साफ कर लीजिये। यदि पम्प में चला ही गया हो तो साइड का दरवाजा खोल, पम्प पर लगी नोजल (दूसरा डिब्बीवाला एगज़ास्ट साइलेंसर है) पर से ट्यूब हटाएँ मोबिल तेल डालें और चलने दें। यदि खून जम गया हो तो पहले डीज़ल/केरोसिन तेल डालकर मशीन आन-ऑफ करें चलने पर मोबिल ऑयल डालें और कुछ देर चलने दें।
- एगज़ास्ट साइलेंसर में भी 3-6 महीने में गाज़ या रूई बदलते रहें।
- वारंटी कायम रखने के लिये यह सावधानी ज़रूरी है।

CAUTION

Before use, please remove by rotating anticlockwise with the aid of a simple hand tool 2 - 4 black hexa bolts, (used as holdfasts for transportation) at the bottom of the unit.