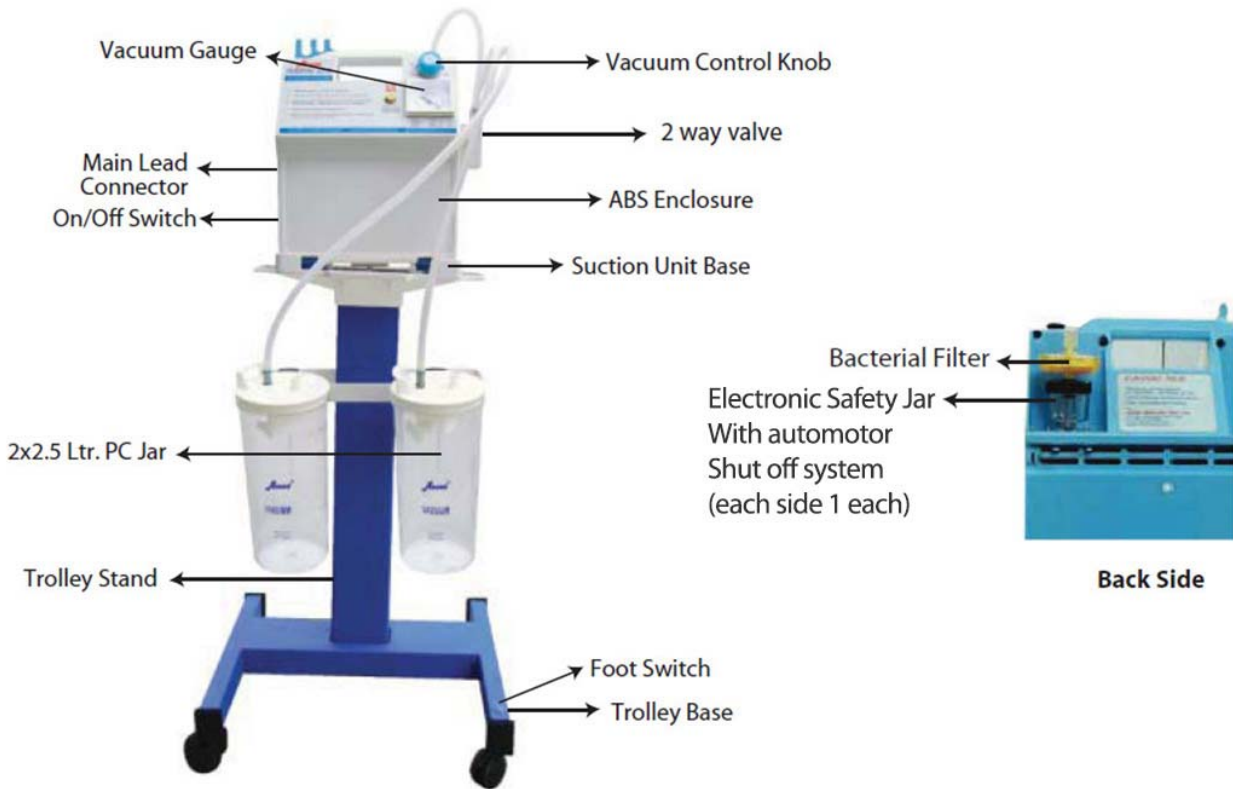


Instruction Cum User Manual
For **EUROVAC ON TROLLEY**



Dear Customer,

Congratulations on your purchase of this versatile and need oriented suction unit. It will serve you well for years, if properly looked after. The medical professions have long felt the need for a light weight, yet powerful easy-to-move unit on castors with brake mechanism, a safe and dependable suction unit.

EUROVAC ON TROLLEY fills this healthcare need to a degree unmatched by any other unit. It is designed for use in hospitals, operation theaters, nursing homes etc. Noncorrosive and shockproof enclosure is pressure moulded in engineering plastic ABS giving smooth and easy-to-clean surface.

ASSEMBLY

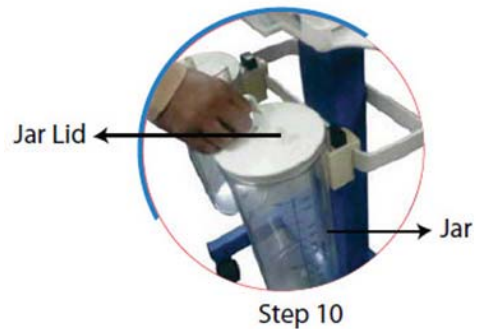
The pump is housed in the enclosure. The pump is fitted 2 way plunger type system on the side. The 2 safety jars are at the back which are connected 2 each jars.

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Keep the Eurovac On Trolley suction unit on the trolley and fix the 4nuts from the bottom of the TOP panel base as shown in picture.



Hang the 2 jars on the bottle hanger as shown..



TECHNICAL

- Housing** : ABS Plastic Moulded on four castors with foot switch
Capacity : 575 mm Hg \pm 10 Vacuum, 45 Ltrs / min.
PumpType : Double diaphragm pump
Jar : Wide mouthed 2 x 2.5 Ltrs. (Polycarbonate) with two-way changeover lever and safety jar with mechanical / electronic overflow motor shut-off system and autoclavable bacterial filter.
Tubing : 8 mm IDx2mtr(Silicon)
Vacuum Gauge : 6.25cms (2.5inch).0-760mmHgcalibration.
Power : 220 V,50/60Hz,90watts.(110Vonrequest)
Dimension & Weight: 46 x 42 x 111 cms. 8 kg + 9 kg Trolley

Controls on working height with extra pedal-operatable switch. Trolley with non-marking castors having brake facility.

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PUMP

The unit fitted with Diaphragm type oil-free pump, provides reduced maintenance cost.

A Open the back plate of the unit with the aid of an allen key provided, and disconnect the tube from the inlet and outlet points on the pump housing (Fig. A).

B Unscrew the 2 hexa bolts from the bottom of the unit and take out the motorized pump fitted on (and together with) the platform.

C The fly valves are fitted (Fig. C) in the top which can be opened. The valve and sieve are alternately fitted one upon the other in the two nozals making one for vacuum and the other for outlet. The diaphragm is fitted below the top plate (Fig. B) and over the eccentrically rotated came. Just wipe clean these parts and set the unit again.

D Please run the unit and see its satisfactory functioning before the back plate is screwed up. Unlike the rotary design, **NO LUBRICATION IS REQUIRED IN THIS PUMP.**

The unit has not to be tampered with by any mechanic other than our factory engineer, or the person authorized.



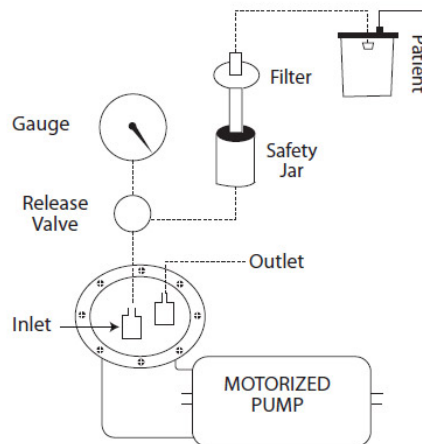
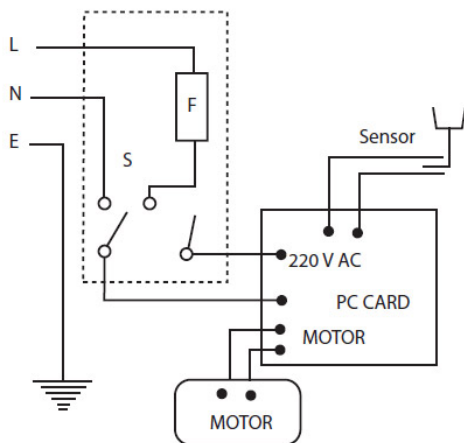
Fig. A



Fig. B



Fig. C



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VACUUM AT ALTITUDES

The specified maximum vacuum refers to sea level. According to local conditions, and barometric pressure, slight deviations in vacuum reading may be noted. As a reference, the table below shows several factors, by which the indicated maximum vacuum value must be multiplied, according to the altitude of location where the measurement is carried out.

LOCATION/MAXIMUM VACUUM

| Location | Sea level | 1000m | 2000m | 4000m |
|----------|-----------|-------|-------|-------|
| Factor | 1.00 | 0.88 | 0.78 | 0.60 |

Before the unit is put on please see that:

1. 'O' rings on push-in connectors and safety jar arm are not worn out.
2. Jars are checked for possible crack or flawed spots. Any defect can result in implosion under vacuum.
3. Check the bacterial filter, and change the filter element if necessary. The housing must be flip tightened. The safety jar with two 'O' rings must be well inserted in the holder.
4. The lids and tube are tightly placed on the jars. To avoid leakage, the push-in and angular connectors must be inserted as far as the stop. While unplugging, twist and pull.
5. The main power supply is well earthed. In case of fluctuation, use voltage stabilizer/corrector.
6. The vacuum control knob is not loose. It must be fully tightened clockwise

GUIDELINES FOR USE

Negative Pressure: After each use, lids overflow cut-off valve, 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.

Jars/Tubings: The material of the jars polycarbonate (PC) is superior to glass. It is less fragile when subjected to impact and less sensitive to temperature shock. PC is resistant upto 120°C provided. it is not subjected to any physical loading. As the flow rate is high 3/4th filling of the jar is recommended. The lid has a built-in antifrothing device. The jars are easier to clean if a little water or disinfectant is put into them prior to suction operation. The safety jar must, however, remain dry. Tubing after repeated use can be brittle and must be changed.



2.5 Ltr PC Jar

Cleaning and Disinfecting: After each use, jars, lids, overflow cut off valve, catheters, etc. should be cleaned thoroughly. When cleaning is necessary after infective fluid has been evacuated, the jars, lids, cut off valve and tubing can be sterilized by autoclaving upto 120° C for 20 minutes. Alkaline cleaning agents and disinfectants based on phenyl may not be used. Adherence to hospital directives on hygiene is of prime importance. The instructions provided by the suppliers of cleaning agents as well as by the manufacturers of sterilization and/or disinfection units must also be followed, where application, temperature, process duration and airing, etc. are concerned.



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TROUBLE SHOOTING:

| Problem | Possible source of trouble | Check / Action to be taken |
|---|---|--|
| Motor does Not Run | Power Supply | Voltage, power socket |
| | Main switch | Set at "ON" |
| | Electrical cord | Plug type, plug connections, damaged cord |
| | Check if the safety jar is activated. Open the safety jar, clean & dry the jar and replace the cap for re-use | |
| | The blood has entered the pump. The remedy is given above under pump cleaning | |
| Inadequate Suction Performance | Leak within the pump or in the external suction circuit | Isolate the source of trouble by carrying out the checks outlined |
| | External cause : Push-in connector O-ring / Lid gasket | Condition |
| | Push-in angular connectors | No Leaks at tube ends.Push in as far as stop. |
| | Release Valve | The knob should be tightly placed |
| | Tubing | Cracks, brittle areas |
| | Lid | Airtight fit jars and Safety jar |
| | Jar | Condition, Possible cracked edges, hairline cracks |
| | Bacteria filter housing on Safety jar top | Condition and absence of leaks |
| | Filter Paper | Condition, position of housing |
| Vacuum gauge indicates a vacuum pump does not suck, however | Blockage or kink in tubing within the pump or in the external suction circuit | Isolate source of trouble as follows: Remove the filter upwards, leave the suction connection open. If the vacuum gauge now indicates zero vacuum, the cause is external |
| | External cause: Bacteria filter, safety jar, overflow valve the lid, (float valve) push-in connectors, tubing etc. | Investigate the whole external suction circuit for blockage (s), float valve sticking, kinked tubing and rectify. If the vacuum gauge still indicates a vacuum = the cause is internal |



Instruction Cum User Manual For EUROVAC ON TROLLEY

TERMS OF WARRANTY

Anand Medicaids Private Limited warranty the high quality and workmanship of each Anand's EUROVAC ON TROLLEY for a period of one year subsequent to the date of delivery by the company. During this period, faulty material will be replaced free of charge. This warranty does not extend to components that are subject to wear and tear in the course of normal operation or due to improper treatment/maintenance as per instructions.

Further conditions in accordance with international standard IEC 601.1 item 6.8.2b.

The manufacturer is only responsible for effects on the safety, the reliability and the performance of the appliance if

- Installation, additions, adjustments, modifications or repairs are carried out by personnel authorized by the manufacturer
- The electrical installations within the room concerned satisfy the requirements laid down by IEC.
- The appliance is used in full accordance with the instruction manual which is solely a guide and no substitute for professional training. The safe and effective use of this product largely depends on the skill of the operator. We are not liable for any damages due to mishandling or improper and unauthorized use.
- The company reserves the right to change technical specifications, designations and catalogue numbers without prior notice.

Note

Ensure that your electrical wirings are well earthed with 1 line and 1 neutral phase and your voltage is between 220V 240V. 50 Hz.

Ensure that the suction unit should not be lifted above human body level.

Dispose of used product/packaging in safe manner so as not to harm stray cattle, children and environment.

WARRANTEE CARD

Stamp:

Model No.

SN

Date of Purchase:

Dealer Name:



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