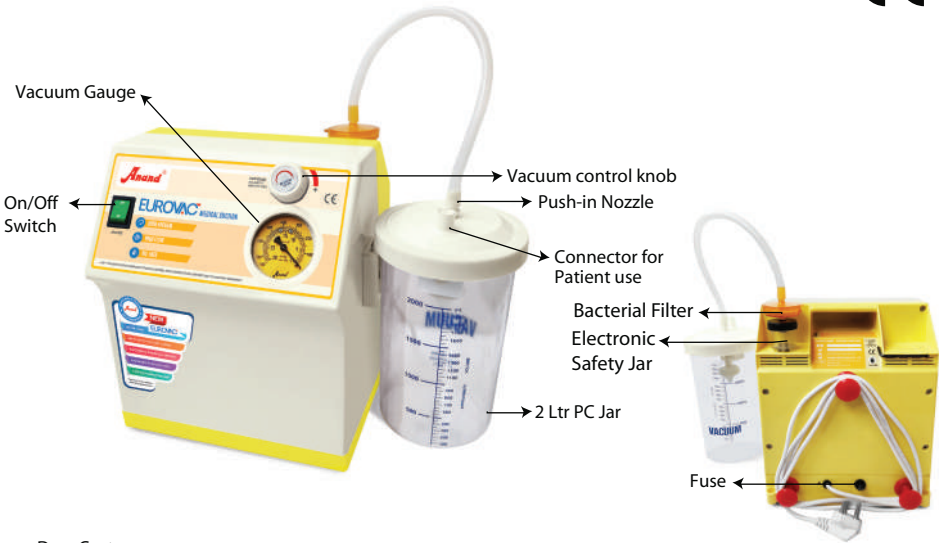


Instruction Cum User Manual  
For **EUROVAC**



**Back Side**

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 profession have long felt the need for a lightweight, easy-to-move, safe, dependable and easy-to-regulate suction unit. EUROVAC fills this healthcare need to a degree unmatched by any other unit. It is designed for use in hospitals, nursing homes, home care, pediatric care, ICUs and patient care. Non corrosive 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. To fasten it well with the base, two black head screws (used as holdfast for transportation at the bottom of the unit) **MUST** be removed by rotating with the aid of a simple hand tool.

The bacterial filter is slipped into the safety jar (at the back) and the other end is connected to the nozzle marked "Vacuum" on the jar lid. The second nozzle is marked "patient" and the tubing from this goes to the patient. The release valve for adjusting the negative pressure, vacuum gauge and an on/off switch are on the panel. Main lead and fuse are at the side of the unit.

The lid connector and bacterial filter **MUST** be twisted and then pulled out.

**TECHNICAL DATA**

<b>Housing</b>	ABS Plastic Moulded	<b>Vacuum Gauge</b>	6.25 cm dia 0-760 mm Hg
<b>Max. Vacuum / LPM</b>	600 mm Hg, 30 Ltrs / min Diaphragm	<b>Power Supply</b>	220 V AC, 50 / 60 Hz, 90 Watt
<b>Pump Type</b>	Pump	<b>Noise Level</b>	55 dB A ± 3
<b>Jars</b>	1 x 2 Ltr. PC Jar (option of 2nd jar also available)	<b>Dimensions</b>	41 x 22 x 37 cms
<b>Filter</b>	Bacterial Filter Autoclavable / Reusable	<b>Net Weight</b>	8 Kg
<b>Tubing</b>	8 mm ID x 2 mtr. (Silicon)	<b>Overflow Safety</b>	Mechanical / Electronic

**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. 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

**GUIDELINES FOR USE**

As the flow rate is high 3/4th filling of the jar is recommended. The lid has a built-in antifrothing device. The jar is easier to clean if a little water or disinfectant is put into it prior to suction operation. The safety jar must, however, remain dry.

**Cleaning and Disinfecting:** After each use, jar/s, 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.



2 Ltr PC Jar



Bacterial Filter

**Pump:** The unit fitted with diaphragm type OIL-FREE PUMP, provides reduced maintenance cost.

If the fluid enter the safety jar, the sensor in it stops the motor. **Remedy** – pull out the safety jar, clean, dry the jars and filter, set and restart. If there is NO VACUUM please check the fuse position and that the filter, push-in, angular connectors are tightly placed; release valve is fully tightened clockwise. If the fault is not located externally, the four allen bolts at the bottom can be opened with the aid of an allen key provided.

Now to separate the upper portion from the base, just slide forward the upper one, disconnect the male female wire connection and the tube from the pump top.



Fig. A



Fig. B



Fig. C

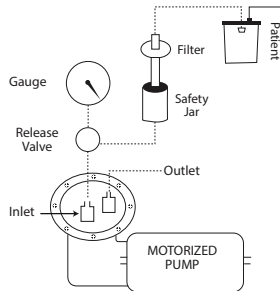
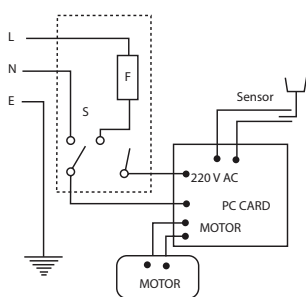
**Diaphragm Change:** First open the lid of the pump (screw driver provided) . The fly valves are fitted in the top which can be opened (Fig.C). The valve and sieve are alternately fitted one upon the other in the two nozals making one for vacuum and the other for outlet. The diaphragm is fitted between the two aluminium plates and over the eccentricly rotated came (Fig.B). Just open the one screw to replace the torn diaphragm by the one provided. Just wipe clean these parts and set the unit again.

Put the tubing and connect the male female wires back. Check the vacuum before putting the base back with the 4 allen bolts.

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

**OPTIONAL:**

When the unit is fitted with two jars, the two-way plunger (on top) shifts collections from first to second jar. Also there are two safety jars at the back, serving the respective collection jars.



**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"
	Fuse	Check that the fuse has not blown off. Replace if needed
	Electrical Main Lead	Check if there is any crack on it or broken. Replace with a new one.
	Check if the safety jar is activated, a beep sound will indicate if there is any fluid in the safety jar. 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.
	<b>External cause:</b> Push-in connector O-rings/Lid gasket	Condition
	Push-in angular connectors	No Leaks at tube ends. Push in as far as stop.
	Release Valve	Fully tightened clockwise
	Tubing	Cracks, brittle areas
	Lids	Airtight fit jars and Safety jar
	Jars	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 safety jar, leave the suction connection open. If the vacuum gauge now indicates zero vacuum, the cause is external
	<b>External cause:</b> Bacteria filter, safety jar, overflow valve in 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

**TERMS OF WARRANTY**

Anand Medicaids Private Limited warranty the high quality and workmanship of each Anand's EUROVAC 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 unauthorised use.
- The company reserve the right to change technical specifications, designations and catalogue numbers without prior notice.

**CAUTION** 

**Ensure that your electrical wirings are well earthed with 1 line and 1 neutral phase and voltage is between 220 V – 230 V, 50 hz: for electric suction units only**

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

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

**WARRANTY CARD**

Model No. -----

**SN** -----

Date of Purchase: -----

Dealer Name: -----



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Stamp :

