

***SUCTIONS FOR TRACHEAL &
BRONCHIAL MUCUS***

INSTRUCTIONS FOR USE

ATOMISOR® SUCTION PUMPS

CE 0459

Directive 93/42/EEC

Models :

SV4G

SV4P

SV2

SVIG



LA DIFFUSION TECHNIQUE FRANCAISE

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1. PRESENTATION:

➤ *What is a bronchial suction pump ?*

A unit allowing the treatment of the respiratory cavities by suction.

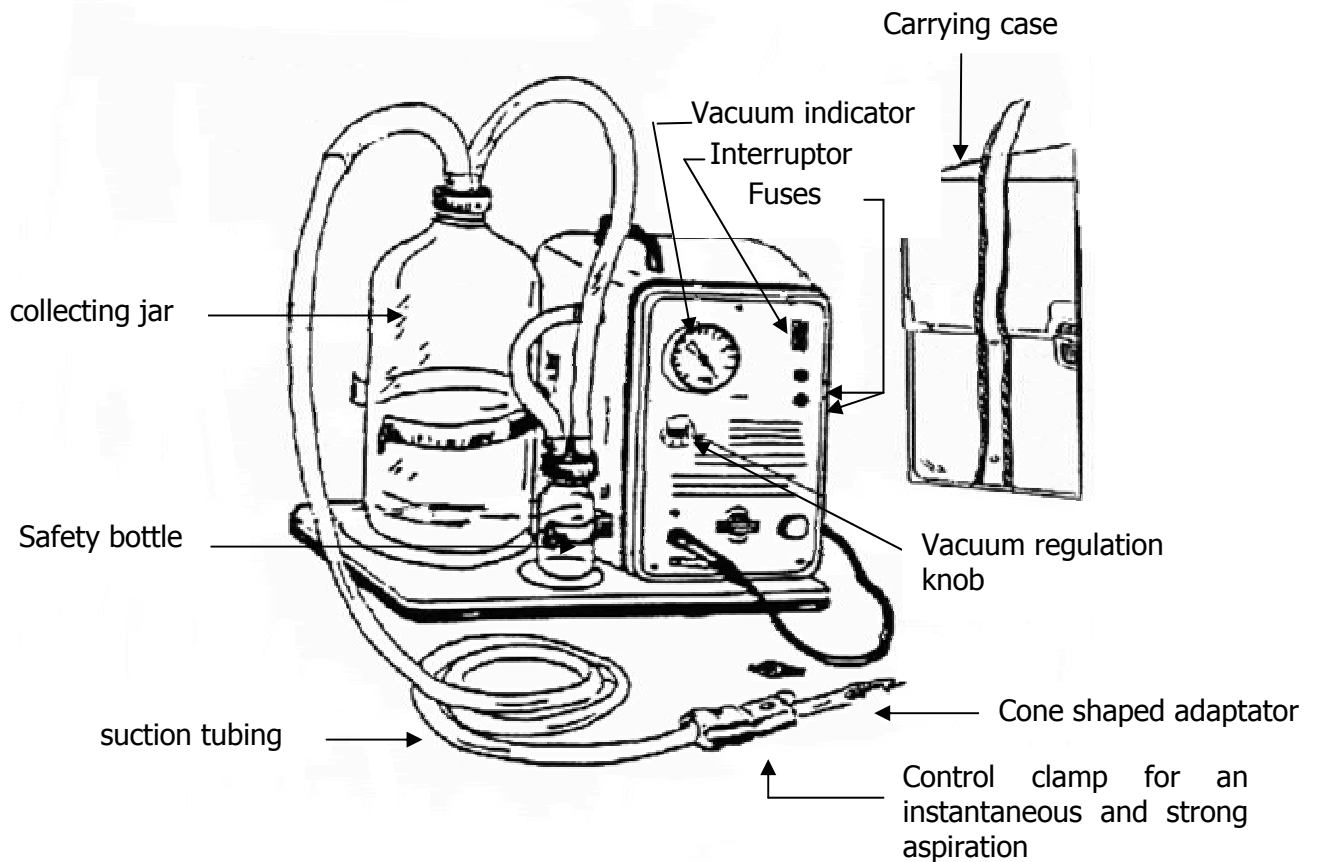
The unit you will use is very easy to manipulate, it is perfectly adapted for home use.

It is also designed for hospitals but can not be used on the field.

This unit includes a large glass collecting jar (and 0.5 litre for SVIG model) and tubing.

In order to use your suction pump perfectly, please follow all the under mentioned device.

They could allow you to use your unit in total safety conditions.



Material used for bronchial suction :

- A bottle with cooled boiling water and with a little Dakin in which you stock the catheter.
- A bottle with cooled boiling water in which you rinse the catheter after each suction.
- Sterilized compresses for holding the catheter and for wiping it after having rinsed it.
- Electrical suction pump.

2. PRECAUTIONARY MEASURES:

Keep this technical manual with the unit as it contains necessary information for the proper use of the equipment .

See the instructions for use fixed on the unit.

IMPORTANT REMARKS :

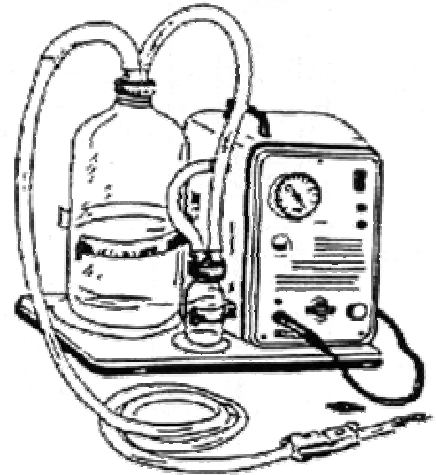
- Before each manipulation, wash your hands carefully.
- Never let the mucus exceed the half of the bottle.
- Replace every day the bottle with the boiling water and "Dakin", the catheter and the bottle with boiling water for rinsing it.
- For changing the canula : wash your hands, disinfect them in alcohol and prepare the canula.
- Make a suction if necessary and remove the dirty plaster, untie the cords and then take away the canula.
- Breath calmly and stay relaxed.
- Clean the orifice with Dakin and let it dry.
- In case of irritation, put a little eosine in water. Then introduce the proper canula.
- It is important to be relaxed. If you are tensed, the orifice narrows and the set up of the canula becomes more difficult.

3. TECHNICAL DESCRIPTION:

ATOMISOR SUCTION PUMPS

3.1. MODELS SV4G / SV4P (same model with pneumatic foot pedal)

- *High vacuum – high flow suction*
- Pump airflow : 20 l/min.
- Maximum suction pressure: -600 hPa (mbar)
- Collecting jar
- Suction tubing: cap system for adjusting.



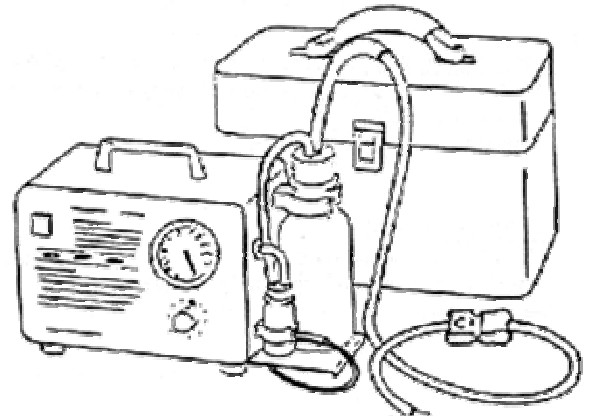
3.2. SV2 model (without vacuum regulating)

- *Medium vacuum – medium flow suction*
- Air flow: 6 l/min.
- Maximum pressure: -500 hPa (mbar)
- Collecting jar
- Suction tubing: screw system for adjusting.

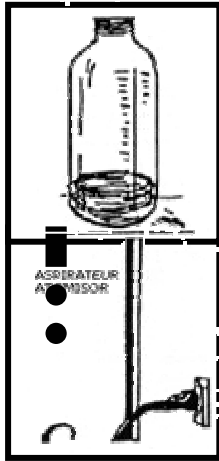


3.3. SVIG model

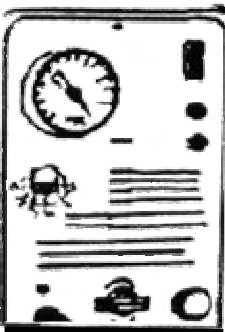
- *Reduced size*
- Pump air flow: 6 l/min.
- Maximum pressure: -500 hPa (mbar)
- Collecting jar: 0,5 l
- Suction tubing: 2 m length, diameter 8 x 13 mm, cap system for adjusting



4. INSTRUCTIONS FOR USE:



- Fill the collecting jar with 2 cm water and with an antiseptic solution.

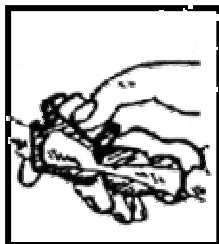


- Connect the unit to the mains. Switch the interruptor on.

- Adjusting of the pressure: (*except SV2 model*) adjust the regulation knob to position 1. Close the control clamp. The manostat stabilises the unit on a minimal vacuum level. To obtain a more important vacuum, screw the regulation knob to position 10. Open the control clamp.



- Connect the catheter to the cone-shaped adaptor. Set up the catheter. Proceed to suction.



- In order to realize, if necessary, a strong instantaneous suction close the control clamp. When the wanted vacuum is reached, liberate the control clamp with your thumb.

After the suction: disconnect the collecting jar of the control clamp. Unscrew the cap for the SVIG model)

- ✓ Empty the secretions of the collecting jar and clean it;
- ✓ Rinse the catheter;
- ✓ Rinse the suction tubing.

SUPERVISION:

- ✓ If liquid has penetrated in the safety bottle, stop the unit operating. Clean the bottle and the tubing;
- ✓ Check visually the good state of the tubing (cracks, cuts...), the joint and the screw (cracking...).

5. CLEANING AND STERILIZING:

☞ **Do not use ether or solvent like acetone.**

☞ **Disinfection with alcohol is authorized.**

CLEANING OF THE SUCTION PUMP

Cleaning of the generator is limited to the external parts, using a non-abrasive sponge soaked with alcohol or with the DTF product ref. "KIT001".

CLEANING AND STERILIZATION OF COLLECTING JARS

Wash the collecting jars with water.

Glass collecting jars and caps with screw can be sterilized in the autoclave at 134°C.

CLEANING AND FILTER CHANGE

Take the cap away the evacuation orifice, check the filter state. If it seems dirty or in bad state, replace it.

Filter changing period: 100 operating hours.

A defective filter can develop a performance decrease of your suction pump.

6. OPERATING HITCHES:

1st HITCH: NO OPERATING NOISE CAN BE HEARD:

ADVICE : check that

- The unit is well connected to the mains supply.
- The electrical switch is on the operating position.
- The power delivered by the mains supply fits in with that needed by the unit (volts-Hz~)
- The fuses of the compressor are not burned out :
 - ✓ With a tool, unscrew for ¼ the tops of the fuses holders of your pump. Check their state. If necessary, change the fuse respecting the calibre and type:
 - 0,5 A type T for SVIG and SV2 models;
 - 1 A type T for SV4G and SV4P models.
- The electrical current arrives to the socket (try with another electric device).

2nd HITCH: NO VACUUM :

ADVICE: check that

- The safety bottle top presents no leak;
- The collecting jar top presents no leak: **check the gasket position.**

IN CASE OF OTHER HITCHES, REFER TO YOUR SUPPLIER

On request, the electrical diagram of the device is available.

CAUTION :


In all cases:

- ☞ Always disconnect the electrical cord from the main supply before opening the pump.

↪ Only a professional repair shop is allowed to repair the device.

7. CLASSIFICATION :

➤ Medical device class I.

Type B 

➤ Level of protection IP 30.

➤ Units not to be used in presence of a mixture of inflammable anaesthetic with air or oxygen or nitrous oxide.

➤ Running mode:

↪ intermittent for SV4G and SV4P models:

- 1 hour operating;
- 1 hour stop.

↪ continuous for the other models.

➤ Characteristics:

	WEIGHT	DIMENSIONS (L x l x H)	ABSORBED POWER	FUSES
SVIG	4,7 kg	32 x 26 x 16 cm	60 VA	0,5 A type T
SV2	7,2 kg	31 x 21 x 37 cm	60 VA	0,5 A type T
SV4P	7,2 kg	31 x 25 x 37 cm	120 VA	1 A type T
SV4G	7,2 kg	31 x 25 x 37 cm	120 VA	1 A type T

➤ Operating conditions:

	TRANSPORT and STORAGE	OPERATING
Temperature	- 40° C to + 70° C	+ 5° C to + 40° C
Relative humidity	10% to 100%	30% to 75%
Atmospheric pressure	500 hPa to 1060 hPa	700 hPa to 1060 hPa

➤ Electric supply : alternative current 230 V (~ 230 V) 50 Hz.

➤ The pump does not need neither maintenance nor oiling.