








Equipment Symbols And Explain

Symbol	Definitions	Symbol	Definitions
	Temperature range		Humidity range
	Atmospheric pressure range		This side up
	Fragile		Non-rainproof
	This device fulfils the provisions of EC Directive MDR EU 2017/745 (Medical Device Regulation)		

Attachments

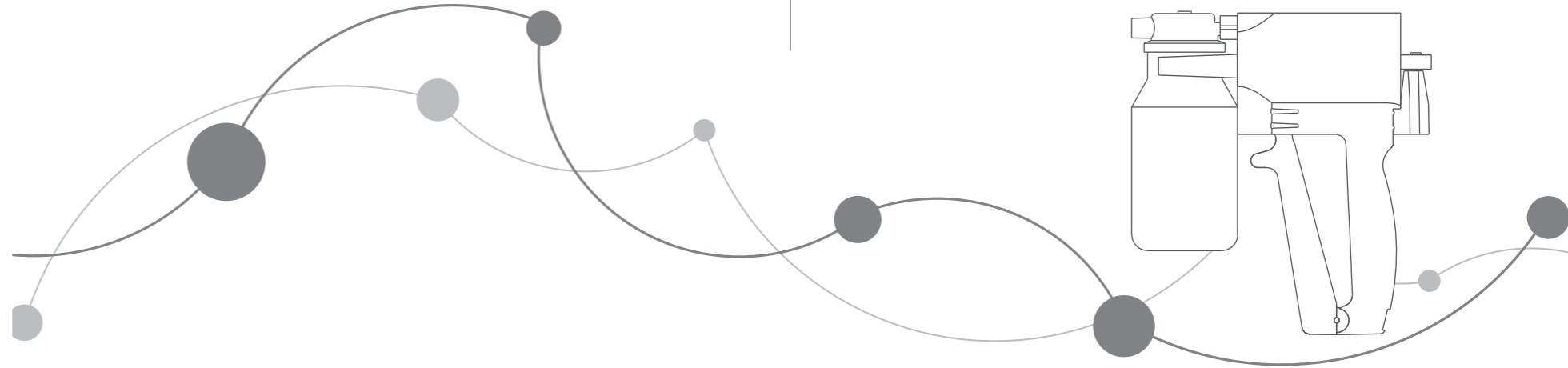
8.0mm suction tube: 1pc

2.67mm(F8) Sputum suction tube: 1pc

4.0mm(F12) Sputum suction tube: 1pc

Use's manual: 1pc

All specifications and product configurations are subject to change without notification.



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7B-1 Manual Suction Apparatus

User's Manual

Please read the user's manual closely before using!




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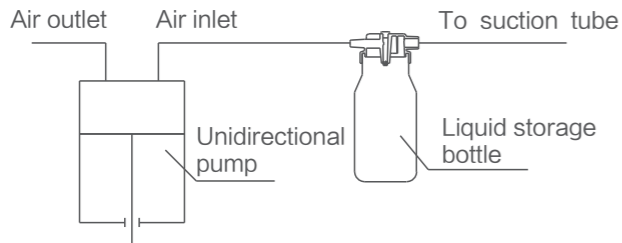
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Features

7B-1 Manual suction apparatus is designed for abortion and other surgery with suction. It's portable, safe and convenient for transportation and use. It can be operated without power. Mainly used in hospitals for suction blood, phlegm and other thick liquid during surgical operations.

Structure & Working Principle

- ▶ The product structure is mainly composed of a piston cylinder, a liquid storage bottle and supporting frame.
- ▶ Press the handle to produce negative pressure by means of the piston's reciprocating motion in the cylinder. No any positive pressure will be generated in the aspirating system due to utilization of unidirectional valve, leading to safe & reliable operation.
- ▶ With compact structure, easy operation, convenient for transportation.
- ▶ Systematic Diagram:



Systematic diagram

Technical Performances

Middle negative pressure	Maximum negative pressure $\geq 0.04\text{MPa}$
Maximum flow rate $\geq 20\text{L/min}$	Reservoir capacity: 200ml
Weight: 202g	Size: $17 \times 5 \times 18 \text{ cm}^3$

Features

Unpacking

- ▶ Check for any obvious damage to the carton or its contents. If damage is evident, please notify the carrier or local dealer.
- ▶ All driving structures shall be flexible without any obstruction when pressing the handle.

Installing And Commissioning

- ▶ Connecting (with suction tube temporarily not connected)
NOTE: Keep tightness when installing.
- ▶ Functional test
Block the air inlet with a finger. Press the handle for ten times, then then finger will press the negative pressure. Release the finger and hear a snigger sound. These performances indicate the suction apparatus is in good condition.

Operating & Maintenance

Operating

- ▶ Check the suction apparatus before using as the method of installing and commissioning to ensure it's in good condition. Then start operation by connecting the suction hose and the sterilized soft catheter.
- ▶ Press the handle to make a proper pressure as required when using.
Note 1: Press the handle with equally effort from the lower limit to upper limit, so as to make the pump in full suction running.
Note 2: Empty the storage bottle when mucus reached its 1/2 volume in order to avoid blocking.
Note 3: The apparatus should be operated by medical professionals. And read the user's manual closely before using. Please contact the supplier or manufacturer if there is any questions.

Maintenance

- ▶ After use, empty the storage bottle, clean the bottle and plug with soft brush or rag, and flush it with water (including all tubes).
- ▶ Wipe the surface with lightly wet rag with disinfectant, be care of any liquid seeping into the pump.
- ▶ Keep the air outlet clean.

Trouble Shooting Guide

Symptom	Probable reasons	Solution	Remark
No negative pressure	1) Loose connections	1) Reinstall	
	2) Leakage at the bottlecover	2) Reinstall or replace the sealing ring	
	3) Leakage at the stopper of bottlecover	3) Press the stopper lockly	
	4) Leakage at connection points	4) Connect again.	
	5) Leakage at the air outlet	5) Clean the valve of air outlet	

Normal Operating Condition

Temperature range: $+5^{\circ}\text{C} \sim +35^{\circ}\text{C}$,
Relative humidity: $\leq 80\%$,
Atmosphere pressure: 860hPa \sim 1060hPa.

Normal Operating Condition

Temperature range: $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$,
Relative humidity: $\leq 80\%$,
Atmosphere pressure: 50kPa \sim 106kPa.

⚠ Note: It is required to store the unit in the well-ventilated room without corrosive gas, and avoid any violent shock while transport.