

Operating Manual



Please read the manual carefully before installation and use

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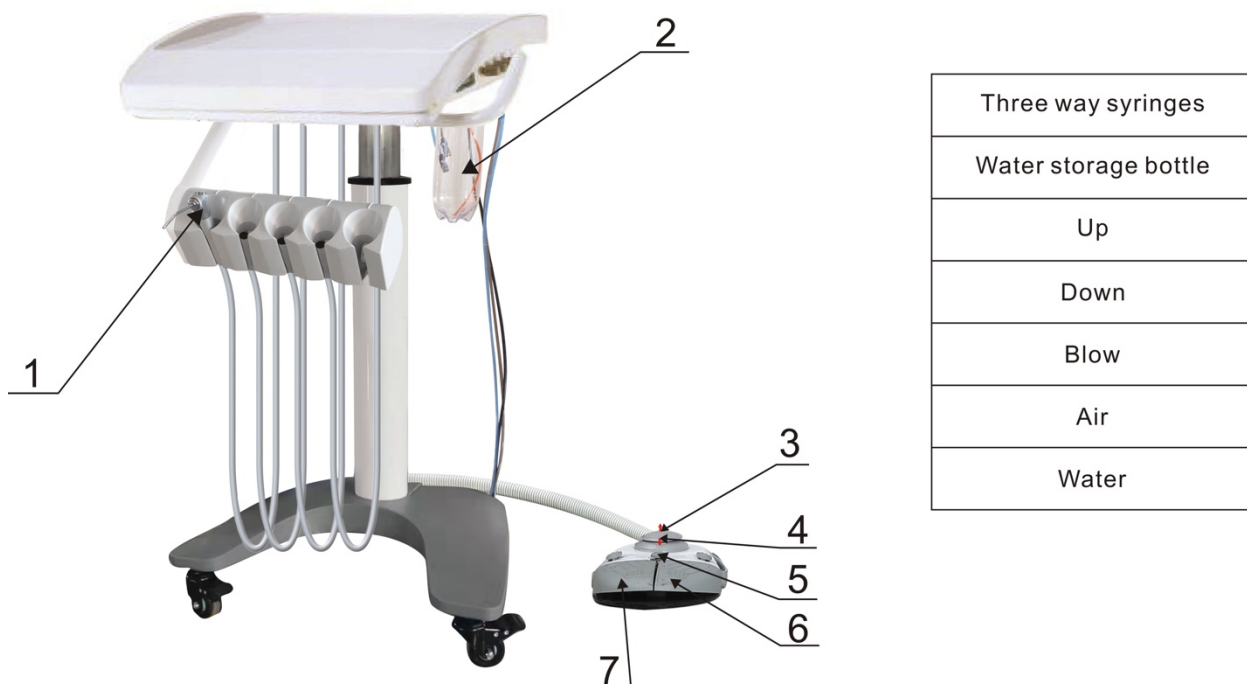
Safety Instructions

◆Warning! Please peruse and follow the instructions carefully, or it can cause severe accidents like equipment damage, fire, explosion and personal injury.

1. Put the equipment in a clean, dry and ventilated place, rather than a dark, damp and dusty environment;
2. The equipment should be away from inflammable and explosive liquids, gases and other objects;
3. The socket should be compatible with the plug with good grounding of the former. A leakage circuit breaker should be installed in front of the equipment. The plug should not be refitted in any form.
4. During operation, the equipment should not be moved.
5. Only professionals can dismantle and install the equipment.

I. Product Introduction

The mobile dental unit captures the quintessence of novelty, elegance, multi-function, fine making. The inside is equipped with Water and gas control system and electric control systems. It can be described as compact structure, small volume, stable running, portability and convenient maintenance, comprehensively suitable for dental treatment. Under the circumstances, it is ideal for gratuitous treatment and visiting treatment.



II. Standard equipment

4 holes handpiece tubing 3pcs
Water bottle 1pcs

3 way syringe 1pcs
Luxury foot pedal 1pcs

III. Technical Parameters

Power supply: AC220V
Power: 60W

Frequency: 50Hz
Input pressure: 0.6~0.8mpa

IV. Transport, Storage and Operating Conditions

1. Transport and storage conditions

Ambient temperature: +40°C~+55°C

Relative humidity: ≤80%

Atmospheric pressure: 500hPa~1060hPa

Attention should be paid to “Upward” and “Keep dry” during transport and storage.

2. Requirements for running conditions

Ambient temperature: +10°C~+40°C

Relative humidity: 30~75%

Atmospheric pressure: 700hPa~1060hPa

V. Installation and Debugging

1. Before installation, installing conditions should meet the requirements for the operation of the equipment. The site should be level, without any inclination.
2. The mobile dental unit should be placed on the level ground to ensure four plastic feet are well connected to the ground.
3. Take out the power line to make sure that the power is switched off. First of all, insert the power line into the corresponding socket and then insert the other end of the power line into the power socket.
4. Hold down the direction switch adjust the height of the mobile dental unit.
5. mobile dental unit of air inlet pipe connected to the air compressor.
6. Open air switch of the air compressor. check whether air leakage exists in the equipment and whether the air pressure gauge ranges from 0.5 to 0.6Mpa. In case of failure, pull out the pressure switch knot for adjustment. Clockwise adjustment is oriented towards smaller pressure and anticlockwise larger pressure. Press the pressure switch knob after adjustment.
5. Connect dental handpiece to the corresponding junction on the mobile dental unit to follow the instructions on the dental handpiece.
6. Pour pure water into the water bottle and screw up the cover.
7. Turn off the pressure-adjusting knob of dental handpiece, take off dental handpiece from the shelf,

- pedal the foot switch, gently turn the pressure-adjusting knob of dental handpiece anticlockwise, observe the corresponding work pressure gauge until the pointer meets the requirements for the work pressure of dental handpiece.
8. Turn off the water-adjusting knob of dental handpiece, open the air inlet switch of the water bottle to check whether water leakage exists in mobile dental unit; take dental handpiece from the shelf, turn on the cooling water switch on the foot switch, pedal the foot switch and gently turn the water-adjusting knob of dental handpiece anticlockwise until appropriate amount of water.
 9. Gently turn the adjusting knob of atomized air of dental handpiece until the cooling water of dental handpiece has produced a satisfactory effect of atomization.
 10. Remove 3 way syringe and check whether 3 way syringe runs normally to follow the instructions on 3 way syringe.

VI. Instructions

1. Use of dental handpiece: Take off dental handpiece from the shelf and pedal the foot switch to start dental handpiece. For the adjustment of pressure, flow of cooling water and atomization effect, just turn the corresponding adjusting switch. Clockwise adjustment is oriented to a smaller effect and anticlockwise adjustment larger.
2. Use of 3 way syringe: Refer to the corresponding operating manual.

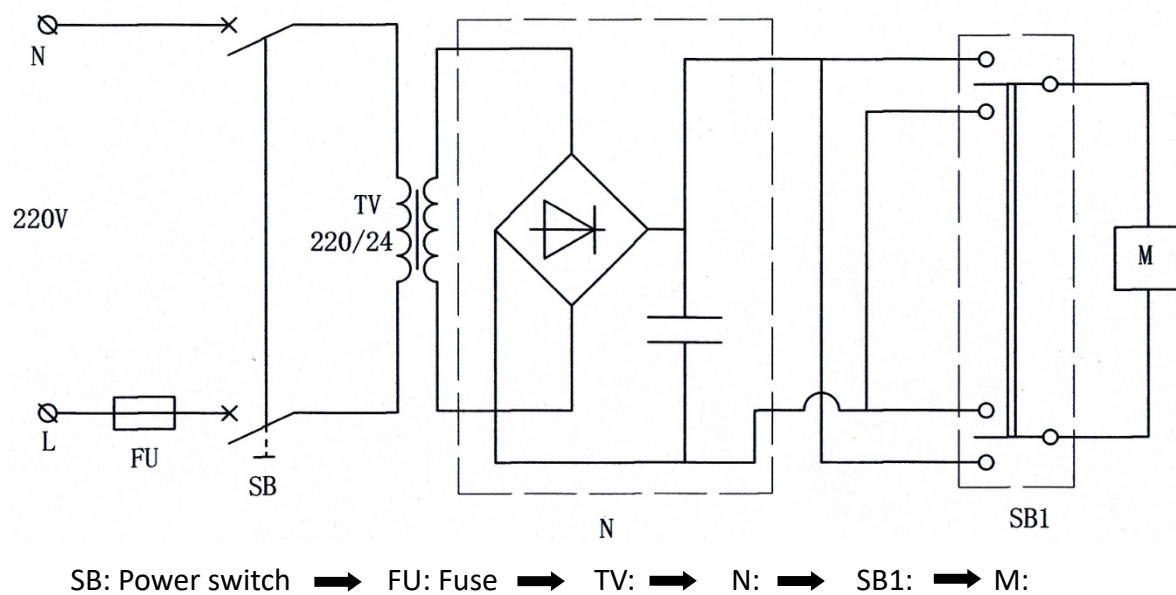
VII. Maintenance

1. Regularly check whether water and air pipes leak.
2. Discharge the water and air in the pipe after use.

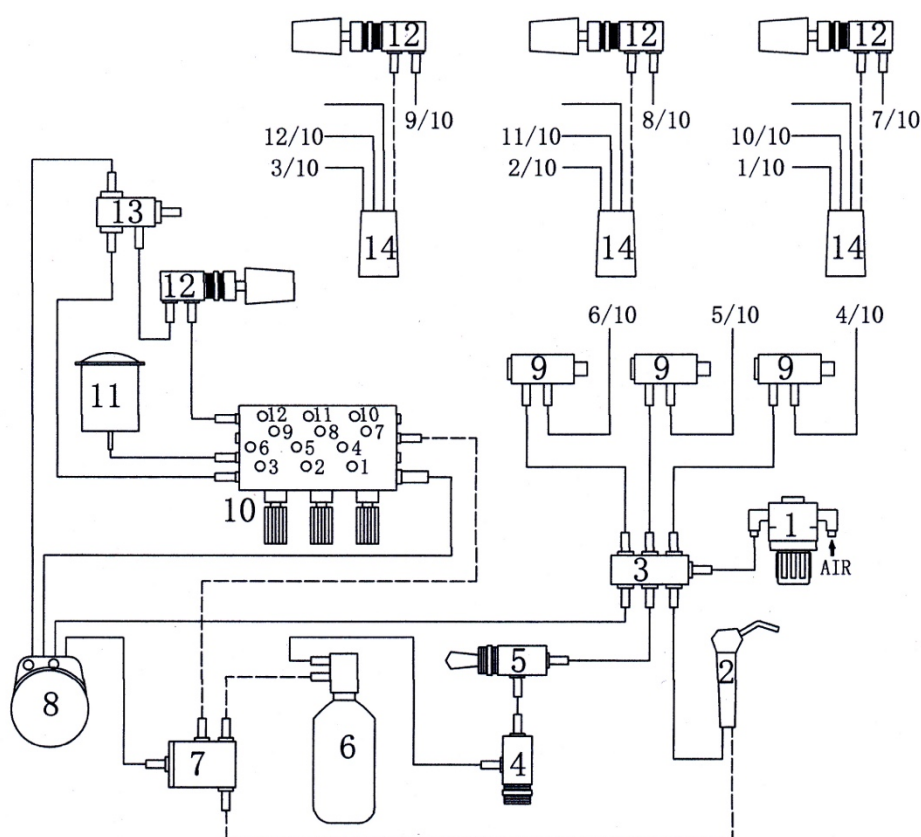
VIII. Common Failures

No.	Common failures	Cause	Solution
1	The indicator light is off when the power is switched on.	The power line is improperly connected.	Properly connect the plug
		Blown fuse	Replace the fuse
		Failure of power switch	Replace the switch
2	Failure of dental handpiece	The control knob is closed.	Open the control knob
		Pipeline blockage	Check and clear the pipeline
		Breakdown of 3 dental handpiece	Repair or replace dental handpiece

IX. Schematic Circuit Diagram



X. Water vapour wiring diagram



1.Air reducer	2.3-way adaptor	3.7-way adaptor	4.Air reduce	5. General valve
6.Water bottle	7.Single air switch	8.Round foot pedal	9. Holder valve	10.3 in 1 valve Adjustor
11.Pressure meter	12.Water adjustor	13.Direchion exchanger valve	14.Handpiece tubing	