

# ADAE

**AD001 Portable Dental Unit**

**Operation Manual**

### 一、 Operating Instruction:

1. Open machine cover, take out the water tank and fill in water inside, the water level reach about 70% of the water tank.
2. Put Foot Pedal and Power Line into the holes at the left side on machine, plug in power.
3. Connect handpiece on handpiece pipe and put on handpiece holder.
4. Please take out the handpiece and controlling fool control and adjust handpiece air pressure (high-speed handpiece air pressure is 0.15Mpa, low-speed handpiece air pressure is 0.2Mpa) when the machine start working.

### 二、 Main Technical Specification:

Supply Pressure: 110V~220V/50Hz~60Hz

Power: 550W

Speed R.P.M: 1400r/min

Air Flow: 130L/min at 0MPa

Pressure: 0.8Mpa

Noise: 40dB (A)

Weight: 19Kgs

Dimension: 400mm×290mm×450mm

### 三、 Structure of Portable Dental Unit





1. Three Way Syringe
2. Holder
3. Handpiece Pipe (Low Speed or High Speed)
4. Suction Pipe
5. Pressure Gauge
6. Air Adjuster/Regulator
7. Right Water Switch
8. Left Water Switch
9. Air Switch
10. Changeover Switch
11. Suction Switch
12. Hole for Foot Pedal
13. Hole for Power Line

#### **四. Main Spare Part and Function**

##### **1. Oilless Motor**

This Oilless Motor does not need to add into the lubricating oil.

##### **2. Air Adjuster**

The function of Air Adjuster is to adjust the air pressure. Before adjusting, please put on the Handpiece to Handpiece Holder. Put out the Handle in Regulator, then rotate the handle, pressure gauge shows the pressure you need. Clockwise rotation will increase pressure; counter-clockwise rotation will decrease the pressure. Press the handle in the regulator will lock the air pressure you need

##### **3. Left Water and Right Water**

Clockwise rotation will increase the water pressure; counter-clockwise rotation will decrease the water pressure

##### **4. Air Switch**

Under normal usage, the Air Switch turns on. Turn off this switch; the water and air for Handpiece turn off at the same time. Contrariwise, the water and air for Handpiece turn on.

In the use of three-way Syringe and Suction, user should be turn off this switch in order to avoid the loss of airflow.

## **5. Changeover switch**

Only under the Air Switch turn on, the operation of Changeover Switch is effective. Turn to the left, the left Hand piece work; turn to the right, the right Handpiece work. In the course of usage, two Handpieces can not work at the same time.

## **6. Suction Switch**

Under normal usage, this Suction Switch turns off. Before Suction work, Air Switch should be turned off, then turn on this Suction Switch.

## **7. Foot Pedal**

The function of Foot Pedal is to control the working of this Portable Dental Unit. Pedal the Foot Pedal, this device work, contrary to stop. Between the conversion of work and stop, there should be a certain time interval for pedal.