

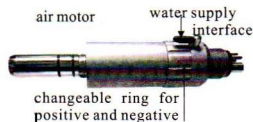
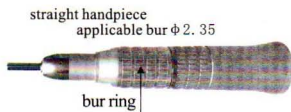
# Users' Manual for Dental Low-speed Handpiece

135°C

Autoclavable up to max 135°C

Before using the products, please read the user guide carefully and follow the operational procedures strictly and ensure that the product is maintained correctly

## 1. THE MAIN COMPONENTS



## 2. WORKING PARAMETER

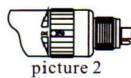
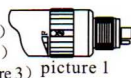
when pressure of air supply is 245KPa (2.5kgf/cm<sup>2</sup>), the speed of air motor is 18000min<sup>-1</sup>(rpm), the consuming amount of air is 42NL/min.  
when pressure of air supply is 294KPa (3.0kgf/cm<sup>2</sup>), the speed of air motor is 20000min<sup>-1</sup>(rpm), the consuming amount of air is 51NL/min.  
when pressure of air supply is 392KPa (4.0kgf/cm<sup>2</sup>), the speed of air motor is 22000min<sup>-1</sup>(rpm), the consuming amount of air is 72NL/min.

## 3. THE CHANGE OF POSITIVE AND NEGATIVE

The positive: turn the changeable ring for the positive and the negative to [F] side (picture 1)

The negative: turn the changeable ring for the positive and the negative to [R] side (picture 2)

Stop rotating: put the changeable ring for the positive and the negative between F and R (picture 3)



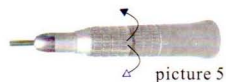
## 4. WATER SUPPLY

When the handpiece need water, you should connect the thin pipe with the water interface of air motor, and the other side connect with water interface of CA or SH. For the thin pipe is enough long , please cut it for proper use according to actual use. (picture 4)



## 5. WAYS OF LOADING AND UNLOADING BURS

(1) Straight handpiece: when unloading the bur, please turn the stuck → until you hear a sound. And loading the bur ,you turn the stuck → to the opposite side. when you hear a sound ,the bur has been fixed. (picture 5)



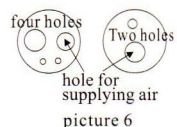
(2) contra angle handpiece: screw the clip and put the bottom of bur to the axle center, then turn the clip to the original place. unloading the bur ,screw the clip and take the bur out.

## 6. CLEAN AND LUBRICATE

(1) Air motor: load the pipe from motor. For example drip some lubrication into the air pipe at the bottom. Lubricate it after every use, drip 2 drops (picture 6)

(2) straight handpiece: turn the spray head to the mouth of lubrication. when unloading the bur ,put the spray head to the handpiece and ensure that the head of handpiece show sign of oil. (at least 2 seconds). Don't invert oil tin when using lubrication.

(3) contra angle handpiece: loosen the winding part of SH, take the conducting gear out. Lubricate the conducting part. Screw the clip when lubricating the head of handpiece. use lubrication after treatment or before disinfection, the way of dripping oil is the same to that of CA.



## 7. AUTOCLAVING

After treatment, disinfect according to the ways as follows. Use brush to remove dirt on the surface. Drip the oil after cleansing, then put it in to a anti- bacteria bag and label. disinfect within the limited temperature of 135c. For example, 121c for 20min, 132c for 15min.

## 8. WAYS OF CHANGING CARTRIDGES

1. loosen the clip of winding part and unload the connecting gear.

2. unload the cap using the wrench. For example (picture 7).

3. pull the cartridge out with burs, clean the head with oil.

4. put the raised part of new cartridge at the gully of handpiece ,then push it. (picture 8)

gully for fixation



## 9. CAUTIONS

Don't use damaged or winding burs. the damaged or winding burs will cause accident if use.

Burs are hard to pull out if the gully part has damaged.

Please keep the clamping part clean, if it was stained, the cartridge will shock or the strength of clamping part will weaken.

Please fix the burs, or the bearings will be damaged at early stage. don't use motor when the clip is loose or burs are not on.

Please install the burs or standard stick even not in usage