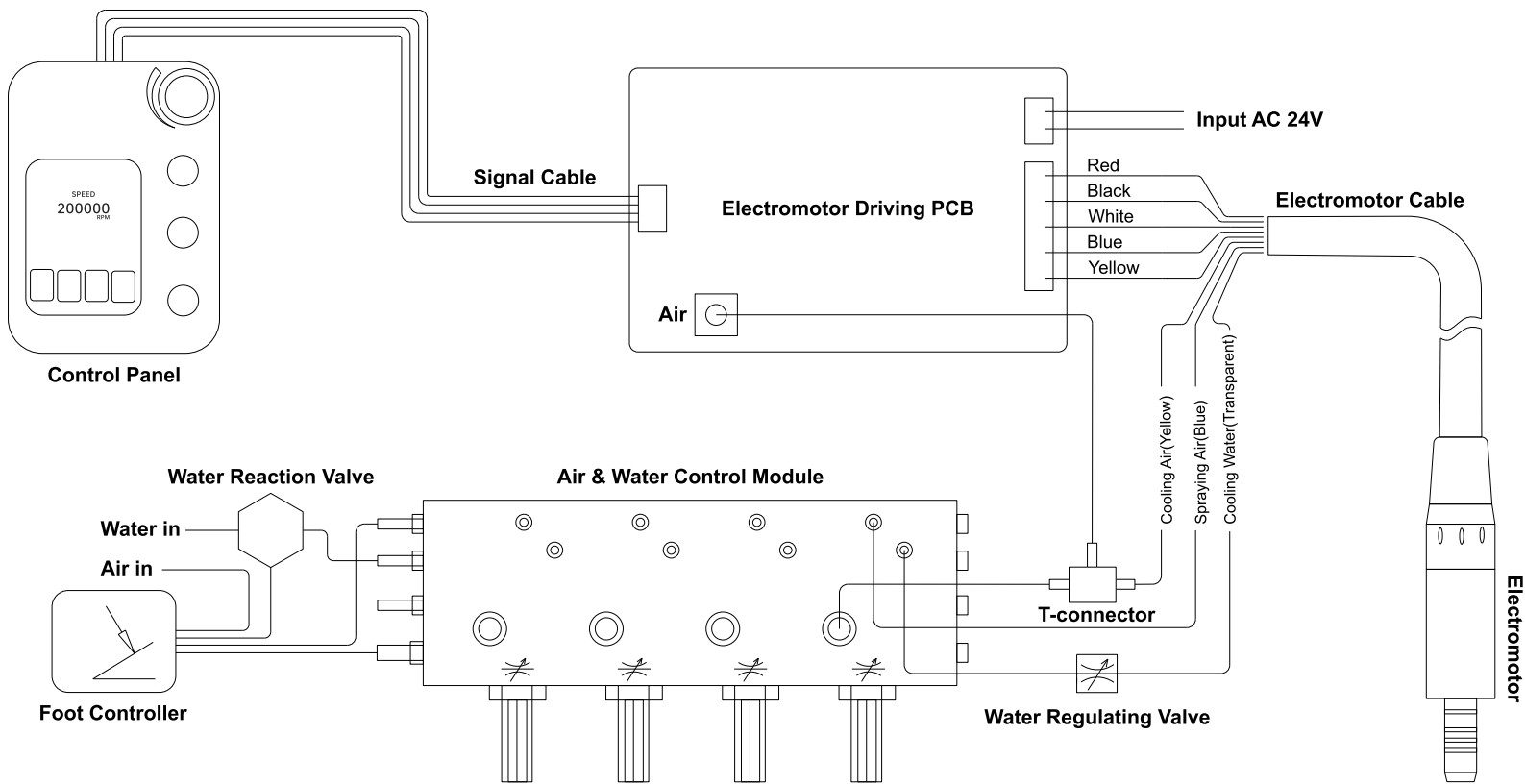


Dental Motor Installation Diagram



Technical parameters

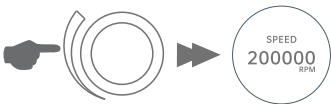
- | | |
|---|---------------|
| 1.Control box,input voltage: | AC24V |
| 2.Output voltage: | DC32V |
| 3.Range of speed: | 2000~40000rpm |
| 4.Torque output: | 2.5N.cm |
| 5.Environment temperatures: | +5℃~+40℃ |
| 6.Humidity: | 30%~75%RH |
| 7.Atmospheric pressure: | 70kPa~106kPa |
| 8.Protection against electrical shock : | Type B |
| 9.Protection Level: | IPX0 |

LCD screen and touch panel



Select and adjust

1.Speed



Gear ratio	Speed range(rpm)
1:5	10000-200000
1:1	2000-40000
4:1	500-10000
10:1	200-4000
16:1	100-2500
20:1	100-2000

2.Direction



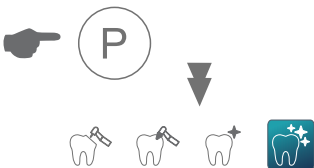
Direction	
F	Forward
R	Reverse

3.Gear ratio



Gear ratio					
1:5	1:1	4:1	10:1	16:1	20:1

4.Program



Preset modes	
Cutting	
Grinding	
Polishing	
Fine-Polishing	

Operation Guide

1.Basic Operation

- (1)Pick up the electromotor from its holder.
- (2)Press the buttons 【⚙️】 on control panel to set the gear ratio consistent with the handpiece (1:1/1:5/4:1/10:1/16:1/20:1).
- (3)Adjust speed via the top knob: turn clockwise to increase speed, counter clockwise to decrease. check the display to match clinical requirements.
- (4)Set direction: press the 【🔄】 button for Forward 【F】 or Reverse 【R】 .
- (5)No-load test: step on the foot switch. Ensure the motor runs normally with proper

Operation Guide

- speed, rotation and spray, no abnormal noise or vibration.
- (6)Start clinical operation after passing the test.
- (7)Upon completion: release the foot switch, stop the motor, remove the handpiece and motor. Insert the motor cable connector back into the holder, then turn off the main power of the dental unit.

2.Emergency Shutdown Procedure

In case of equipment failure or patient discomfort, immediately release the foot switch, cut off the main power and halt all operations.

3.Memory Function

- Operating Instructions for Setting the Memory Mode:
- Adjust the gear ratio, speed, and direction.
 - Select any mode and long - press the icon 【P】 key for 3 seconds.
 - The buzzer will emit a short beep to store the current parameters.
 - The screen will display: "Parameters have been saved".
 - When you need to use the saved parameters, press the 【P】 key to select the preset parameters .

Cleaning,Disinfection and Sterilization

- Use a moist disposable cloth to wipe down all visible surfaces of motor surfaces, and cables.
- Use a soft disposable cloth and an approved disinfectant for disinfection by wiping down all visible surfaces and cables.

 The following parts are released for sterilization:
Electromotor without cable

- Autoclave with 3 times pre-vacuum:
- At least 4 minutes at 134°C
 - Pressure: ≥0.22 Mpa
 - Drying time:15 minutes

-  **Notice:**
- The electromotor should be cool to environment temperature before use.
 - The joint shaft should be lubricated after every 10 sterilization cycles.

