

## Maintenance of Integral Dental Units

The dental chair is one of the most utilized equipment in dental clinics or practices. It integrates water, air, and electricity, making routine maintenance crucial for its longevity, integrity of parts, and early detection of equipment failures. Below, we will use the KaVo Primus™ 1058 dental unit as an example to provide detailed maintenance methods and steps.

### Before starting work each day

Pre-flush the pipelines to ensure that the necessary water, air, electricity, and vacuum are ready for treatment, providing assurance for the procedure.



1. Wear gloves, pick up any of the handpiece tubing, and turn on the cooling water switch on the instrument tray.



2. Place the handpiece tubing on the spittoon



3. Press the pedal and increase the air pressure from left to right, holding for at least 10 seconds.



4. Ensure that water and air spray smoothly from the quick couplings on the handpiece tubing.



5. Repeat steps one through four for other handpiece tubing in sequence.



6. Press the buttons on the instrument tray to verify that the dental chair is functioning properly.

## Between Patient Intervals

Clean and disinfect in time after treatment to prevent the virus from being transmitted to patients and medical staff through air, water, touch and other channels.



7. Wear gloves, rinse the silicone pad under running water, then wipe it with a cloth dampened with disinfectant.



8. Rinse the tray under running water, then wipe it with a cloth dampened with disinfectant.



9. Use strong and weak suction cups to clear water from each suction tube and clean the pipelines.



10 Press the spittoon flush button to rinse the spittoon until no obvious stains are observed by the naked eye, then wipe the spittoon and its surroundings with a cloth dampened with disinfectant.



11. Use a rag soaked in disinfectant to wipe the back of the head, backrest, armrests, instrument tray panel, assistant position panel, operating light and saliva suction tube head in sequence. **Notice to wiping the leather pad with clean water.**

## Off Work Every Day

Thoroughly clean and disinfect all pipelines and tubing to prevent the growth and transmission of bacteria, ensuring a safe working environment.



12 : Use 1L of 500mg/L chlorine containing disinfectant each for strong and weak suction to flush the saliva suction tubes and drainpipes. Pour 500ml of disinfectant into the spittoon to disinfect it. The pull out the heads of the strong and weak suction tubes.



13. Rinse the heads of the strong and weak suction tubes under running water and sterilize them with high temperature.



14. Follow the method shown in the diagram, using a cloth dampened with disinfectant to wipe the strong and weak suction tubing sequentially.



15. Using a cloth dampened with disinfectant to wipe all mobile tubing sequentially.



16. Take out the strong and weak suction filter, rinse it under running water, rinse it clean and then put it back.



17. Take out the spittoon filter and rinse it under clean water. Rinse it clean and put it back.



18. Perform air suction through the saliva ejector for 30 seconds to keep the tubing dry.

## Every Friday

Regularly clean the spittoon drainpipes to ensure continuous drainage and prevent the growth of bacteria.



19. Wear gloves, remove the waste collection cup from the bottom of the instrument tray, and clean it with disinfectant.



20. Remove the drainage rod, open the drainage cover, and check if wiping is needed. If so, wipe it clean with a cloth dampened with disinfectant before reinstalling.



21. As shown in the diagram, turn the spittoon counterclockwise.



22. Lift the spittoon upwards and place it under running water to rinse the bottom until clean.



23. Use tweezers to hold a cloth dampened with disinfectant and wipe the spittoon holder, as indicated by the arrow in the diagram.



24. Reinstall the spittoon by turning it clockwise.

## Every Months

Regularly inspect the relevant accessories for damage or the need for cleaning, to promptly detect equipment malfunctions and prevent them in advance.



25. Wear gloves, remove the equipment holder forcefully in the direction of the arrow in the figure, and check whether the instrument holder needs to be wiped.



26. Open the rear cover of the side box for checking.



27. Lift the waste collection tank upward to check whether the trigger switch is normal.



28. Remove the waste collection container and rinse under running water.

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