



WEK water disinfection system

user's manual

Table of contents

1	Introduction.....	1
2	Control unit.....	2
3	Switching WEK on.....	3
4	Changing disinfectant bottle.....	4
5	Troubleshooting.....	6
5.1	Green and yellow control lights are illuminated, alarm is activated.....	6
5.2	Green control light is illuminated, red control light flashes, alarm is activated.....	6
5.3	Green and red control lights are illuminated, alarm is activated.....	10
6	Emptying reservoir and pressure container.....	11
7	Performing intensive decontamination.....	12

The manufacturer, assembler and importer are responsible for the safety, reliability and performance of the unit only if:

- installation, calibration, modification and repairs are carried out by qualified authorised personnel
- electrical installations are carried out according to the appropriate requirements such as IEC 60364
- equipment is used according to the operating instructions.

Planmecca pursues a policy of continual product development. Although every effort is made to produce up-to-date product documentation this publication should not be regarded as an infallible guide to current specifications. We reserve the right to make changes without prior notice.

COPYRIGHT PLANMECCA

Publication number 10035814 Revision 4

Released 4 March 2019

1 Introduction

The Planmeca WEK water disinfection system is installed to the Planmeca Compact i dental unit and provides a solution for continuous water and waterline disinfection.

The Planmeca WEK system feeds disinfectant continuously into instrument and cup fill waterlines. The feeding is done automatically and the user only needs to replace the disinfectant bottle when it is starting to become empty. The system uses Metasys Green&Clean WK disinfectant.

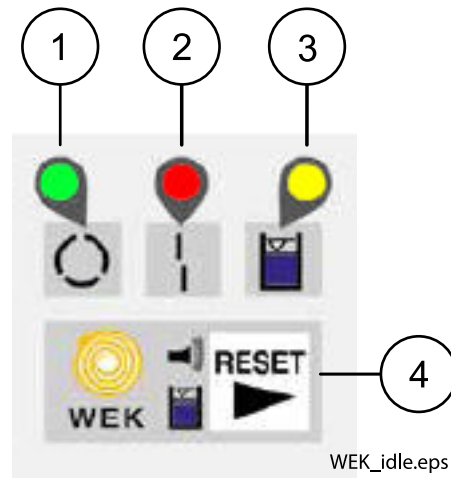
Planmeca WEK is in compliance with EN1717 and DVGW (German Technical and Scientific Association for Gas and Water) water separation requirements.

Read this manual carefully before using WEK.

2 Control unit

The WEK control unit is located inside the dental unit cuspidor.

The control unit has three control lights that inform you of the status of the WEK and a **Reset** button.



- 1 Ready for use (green)
- 2 Error (red)
- 3 Disinfectant sensor (yellow)
- 4 Reset button

3 Switching WEK on

When you switch on the Planmeca Compact i dental unit from its on/off switch, the WEK is automatically switched on.

At startup, WEK automatically performs a test routine. During this procedure, the green control signal (*Ready for use*) is blinking fast. If an error occurs, the WEK unit is not activated and the error is shown on the control unit (see section "Troubleshooting" on page 6). After the successful completion of the test routine, the green control signal lights constantly and the WEK unit is ready for operation.



4 Changing disinfectant bottle

The WEK system issues an alarm when the disinfectant bottle is empty and must be changed, see section "Green and yellow control lights are illuminated, alarm is activated" on page 6.

NOTE

The used bottle size is 750 ml (not 1000 ml).

1. Remove the old bottle from the bottle holder.
2. Unscrew the cap and replace the old bottle with a new one.
3. Screw the cap tightly on the new bottle. Place the new bottle in the holder.

Bottle in Compact i5 dental unit



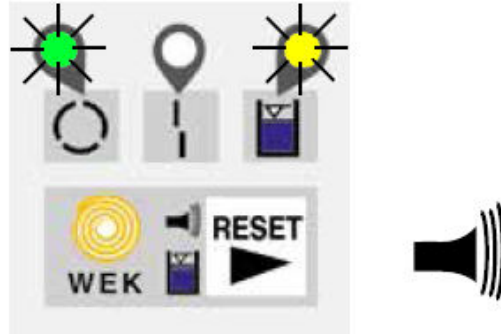
Bottle in Compact i Touch dental unit



5 Troubleshooting

5.1 Green and yellow control lights are illuminated, alarm is activated

The green control light (*Ready for use*) and the yellow control light (*Disinfectant sensor*) are illuminated, and the sound of the alarm is heard.



Cause: The disinfectant sensor indicates that the water is not being decontaminated.

Action: Change the Green&Clean WK disinfectant bottle.

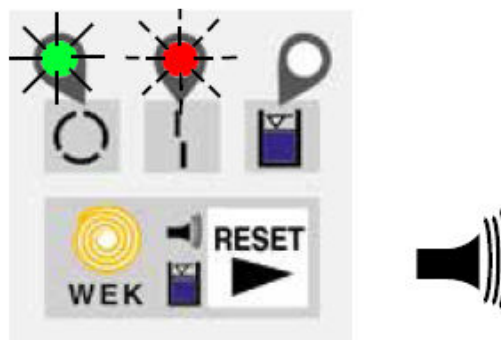
If the disinfectant bottle cannot be changed immediately, press the **Reset** button on the control unit to deactivate the alarm sound. The unit remains fully functional and the error does not interrupt the dentist's work. However, a short signal tone still sounds periodically. In case the error has been caused by an air bubble it will disappear the next time you use the cup fill or syringe without changing the disinfectant bottle.

NOTE

No decontamination takes place until the empty disinfectant bottle is replaced with a full one.

5.2 Green control light is illuminated, red control light flashes, alarm is activated

The green control light (*Ready for use*) is illuminated, the red control light (*Error*) flashes, and the sound of the alarm is heard.

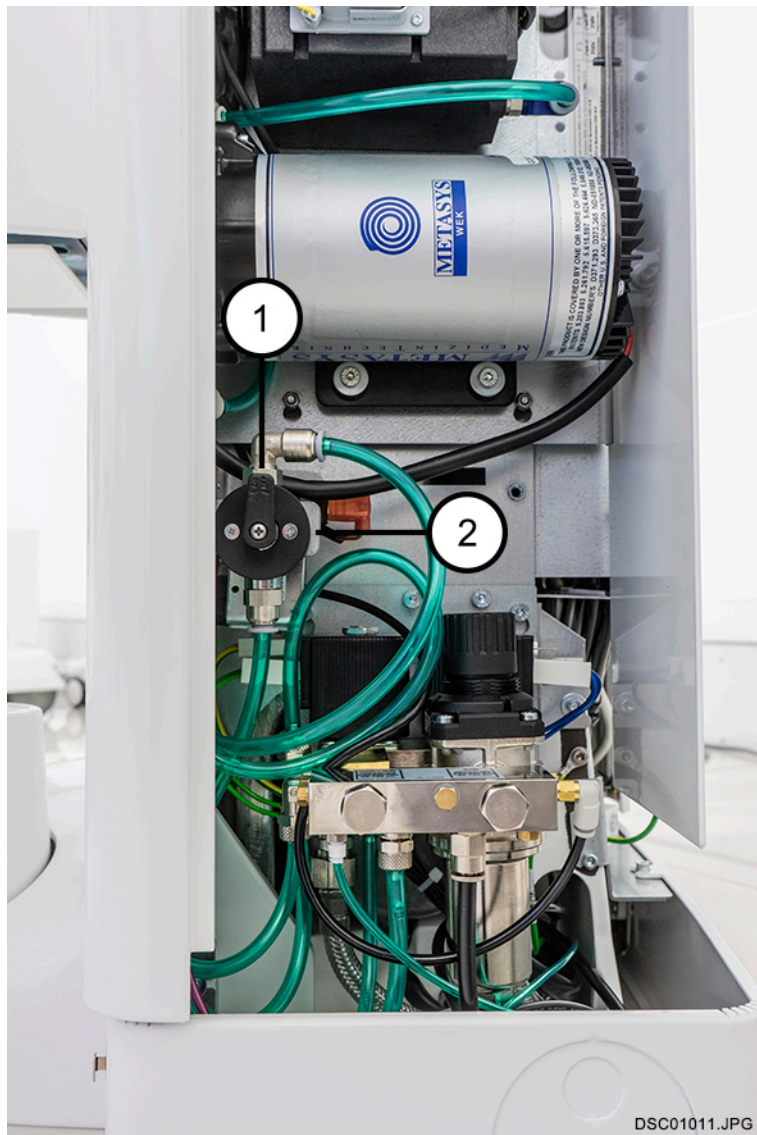


Cause: The level monitor in the mixing container is contaminated, or there is no water supply.

Consequence: All valves and the pump are switched off. The alarm tone can be switched off by pressing the **Reset** button on the control unit.

Action: Make sure that the water inlet pipe is open and that the WEK water valve is in the ON-position (see picture below).

Planmeca Compact i5 dental unit



- 1 Water valve in on-position
- 2 Water valve in off-position

Planmeca Compact i Touch dental unit

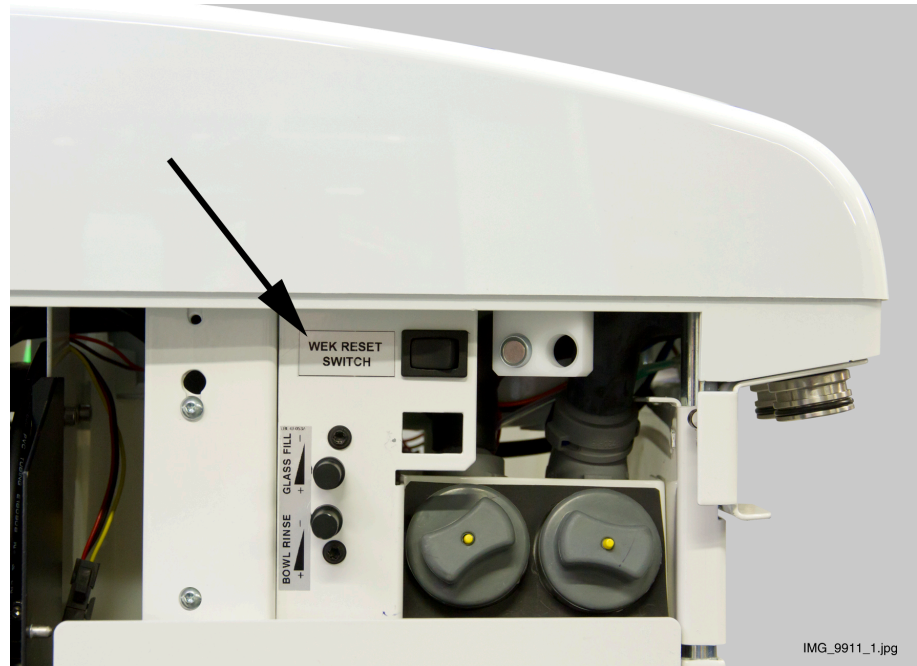


After resolving the problem, reset the WEK by pressing the WEK reset switch. This switches the system off and on.

Planmeca Compact i5 dental unit

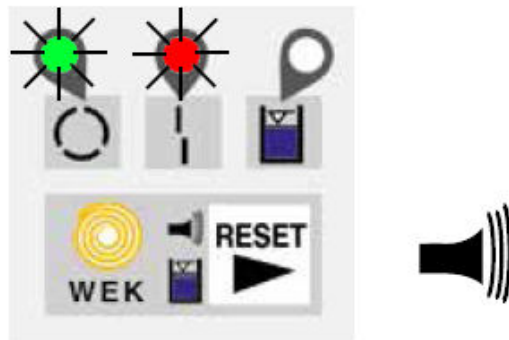


Planmeca Compact i Touch dental unit



5.3 Green and red control lights are illuminated, alarm is activated

The green control light (*Ready for use*) and the red control light (*Error*) are illuminated, and the sound of the alarm is heard.



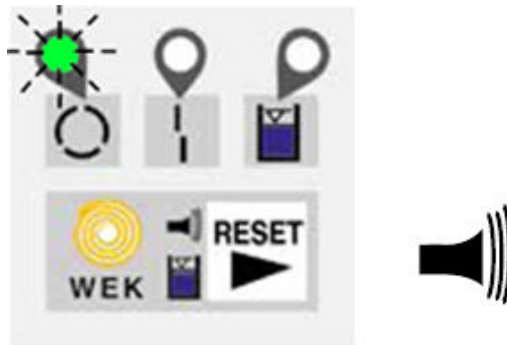
Cause: Defect of the double membrane pump, or overflow.

Consequence: All valves and the pump are switched off. The alarm tone can be switched off by pressing the Reset button on the control unit.

Action: Contact a qualified Planmeca service technician.

6 Emptying reservoir and pressure container

To empty the WEK unit from water during operation, keep the Reset button pressed for approximately 8 seconds (the green control light (*Ready for use*) is blinking while you press) until an alarm is heard. Then, the green control light (*Ready for use*) blinks slowly. The reservoir and pressure container are empty when no more water comes out from the instruments or the cup fill tube. You can now either switch off the dental unit (and simultaneously switch off the WEK) or activate WEK's normal operation by keeping the **Reset** button pressed for another 8 seconds.



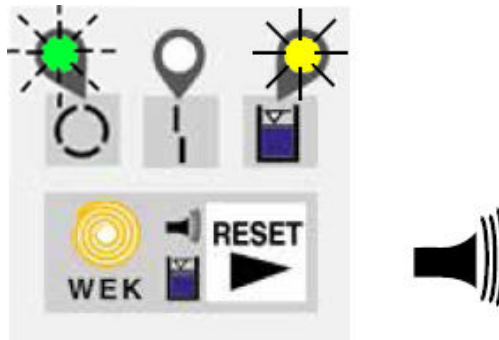
7 Performing intensive decontamination

If required, the concentration of the disinfectant Green&Clean WK may temporarily be increased to perform intensive decontamination. We recommend that you perform the following cleaning procedure once a month after the working day.

1. In the evening, temporarily increase the concentration of the disinfectant Green&Clean WK as follows:

Activate the intensive decontamination by holding down the **Reset** button for approximately 4 seconds (the green control light (*Ready for use*) is blinking while you press) until the first alarm is heard.

The intensive decontamination program starts, and during the program, the green control light (*Ready for use*) is illuminated and the yellow control light (*Disinfectant sensor*) blinks.



With the next disinfectant dosing operation, 3 doses of disinfectant concentrate will be delivered, followed by 2 doses each in the next 4 dosing operations. No disinfectant will be added to the final dosing to ensure normal concentration after the intensive decontamination. The yellow control light (*Disinfectant sensor*) goes out after the intensive decontamination and a short alarm is heard. The WEK returns into normal operation.

2. Perform long instrument flushing as instructed in the Planmeca Compact i dental unit's user's manual.
3. Switch off the dental unit for the night.
4. In the morning, perform long instrument flushing as instructed in the Planmeca Compact i dental unit's user's manual.

PLANMECA

Planmeca Oy | Asentajankatu 6 | 00880 Helsinki | Finland

tel. +358 20 7795 500 | fax +358 20 7795 555 | sales@planmeca.com | www.planmeca.com

