

WI-933

ORAL IRRIGATOR

EN Instructions for Use

Thank you for purchasing the B.Well WI-933 stationary oral irrigator. This device provides effective cleaning of interdental space and plaque removal. Its use prevents the formation of dental scale and can perfectly prevent caries and periodontal diseases. The WI-933 oral irrigator is an essential device for the hygiene and care of the oral cavity in the presence of dental bridges, implants, crowns and braces. It also can be used for massage of the gums, which improves blood circulation, thereby contributing to their recovery. Before using this device, read these Instructions for Use carefully and save it for future use.

1. SAFETY INSTRUCTIONS

⚠ ATTENTION!

- When using electrical products, especially in presence of children, safety measures shall be taken.
- This appliance is not intended for independent use by children and persons with physical or mental disability, or lack of experience and knowledge, unless they are trained and instructed on device use by persons responsible for their safety.

⚠ BEFORE USING THIS APPLIANCE PLEASE READ THE INSTRUCTIONS FOR USE CAREFULLY

⚠ PRECAUTIONS:

To reduce risk of electric shock, burns, fire or injury:

- Always disconnect the device from mains after use.
- Do not use the device while taking the bath.
- Do not operate or store the device in a place, where it can fall in water.
- Do not submerge the device in water or other liquids.
- Do not leave the device connected to mains unattended.
- Provide careful supervision when the device is used by children and/or disabled persons.
- Always use the device for the intended purpose described in these Instructions for Use. Do not use spare parts not recommended by the manufacturer.
- Do not use the device, if the cable or the plugs are damaged, if the device is out of order, if it has fallen, has been damaged and/or has been subjected to moisture. Contact the service and consulting center for checks and repair.
- Do not use the device while asleep and/or feeling sleepiness.
- Do not drop the device and do not insert any objects in device openings.
- Do not use the device in open air and in places, where aerosols are used.
- Connect the device only to a properly grounded outlet.
- Prior to filling the tank with water disconnect the device from mains. Always fill the tank with water in strict compliance with the Instructions for Use. Do not overfill the tank, always follow the instructions.
- It is strictly forbidden to modify the device.
- Do not touch the power cable and the plug with wet hands.
- Do not touch the device, if it has fallen in water. Immediately unplug it from mains with dry hands.
- The power cable shall not come in contact with hot or heated surfaces.
- In case of failure of the device, do not try to repair it yourself. Contact the service and consulting center.
- If you have recently had dental and/or surgical intervention, if you receive treatment related to oral issues, if the mucosa in the oral cavity is damaged, please consult your dentist.
- Please consult your dentist, if you experience intensive gum bleeding after two weeks of use of the irrigator.
- Please handle the device with care. Do not drop it and do not expose it to strong impacts.

⚠ CAUTION!

BEFORE USING THIS DEVICE PLEASE CAREFULLY READ THE FOLLOWING INFORMATION!

It is forbidden to use the following liquids as solutions for oral irrigation:

- Substances and solutions containing suspended particles (extracts, brews, suspensions, etc.) Use of viscous solutions with sediment may deteriorate performance of the irrigator and may cause clogging of the hose or the pump.
- Solutions with oily base. Use of such solutions may have corrosive impact on the irrigator hose.
- Antiseptic solutions (potassium permanganate, miramistin, and other antiseptics).
- Conventional gargles (commercial mouthwashes that are not specifically designed for use with irrigators).
- Salt solutions, toothpastes or chemical substances.

The following liquids may be used for oral irrigation:

- Pre-filtered clean warm water (up to 40°C).
- Special solutions designed for use with irrigator.
- The manufacturer and the seller are not liable for consequences of failure to read the Instructions for Use and for lack of understanding of the device operating principles.
- If you have any issues after reading the Instructions for Use, consult the doctor or contact the service and consulting center.

KEEP THESE INSTRUCTIONS FOR USE

2. INTENDED USE AND CONTRAINDICATIONS

The B.Well WI-933 oral irrigator is designed for:

- Comprehensive care and hygiene support for oral cavity and interdental spaces;
- Care for oral cavity of persons using dental bridges, implants, crowns, braces and orthodontic systems;
- Gum massage.

Application range covers individual and family use.

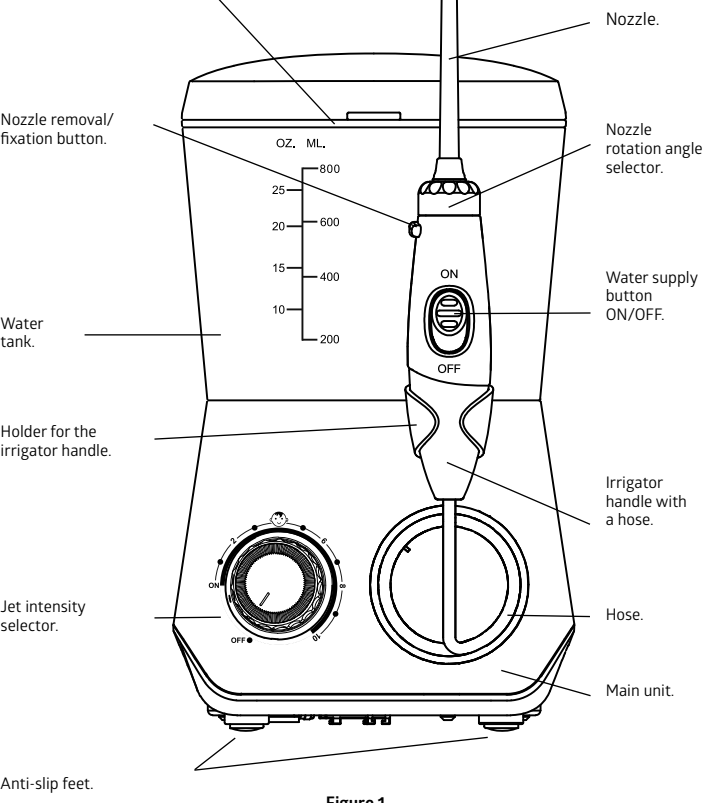
The operating principle of the stationary irrigators consists in targeted exposure of the surface of teeth, gums, mouth mucosa and orthodontic systems to adjustable water flow. The irrigator removes food debris and malignant bacteria with water jet.

Indications: gum bleeding, caries, periodontal diseases, gingivitis, peri-implantitis, the need for drug irrigation and massage of the oral mucosa, the presence of orthodontic systems in the mouth, the need to clean and care for the oral cavity and interdental spaces, halitosis.

Contraindications: Before using the irrigator, it is recommended to consult a dentist in case of surgical intervention in the oral cavity and in the stage of exacerbation of chronic diseases of the oral cavity. During the first few uses of the irrigator, slight bleeding of the gums may occur. In case of healthy gums, any bleeding of the gums should stop within 1-2 weeks. If you experience gum bleeding after 2 weeks of use, stop using the irrigator and consult the dentist.

3. DELIVERY KIT AND APPEARANCE OF THE DEVICE

Tank cover with storage case for nozzles.



DELIVERY KIT:

- Main unit – 1 pc.
- Irrigator handle with a hose – 1 pc.
- Water tank – 1 pc.
- Tank cover with storage case for nozzles – 1 pc.
- Standard nozzle – 3 pcs
- Tongue cleaning nozzle – 1 pc.
- Orthodontic nozzle – 1 pc.
- Periodontal nozzle – 1 pc.
- Nozzle for implants, dental bridges, crowns, and veneers – 1 pc.
- Brush nozzle – 1 pc.
- Storage bag – 1 pc.
- Instructions for Use – 1 pc.
- Warranty card – 1 pc.
- Box – 1 pc.
- Accessory: AC adapter – 1 pc.

Nozzle types and their designation

Nozzle type	Designation	Nozzle type	Designation
	Standard nozzle (3 pcs) It is designed for comprehensive care for oral cavity, i.e. for cleaning of interdental spaces and gum massage.		Orthodontic nozzle (1 pc.) It is designed for cleaning of the gaps between densely spaced teeth and gum margin. It also ensures the hygiene of braces and other orthodontic systems.
	Tongue cleaning nozzle (1 pc.) It is designed to remove plaque from the tongue and make breath fresh.		Nozzle for implants, dental bridges, crowns, and veneers (1 pc.) It is designed for delicate surface cleaning of implants, dental bridges, crowns and veneers.
	Periodontal nozzle (1 pc.) It is designed for gingival cleaning of gum margin and of gingival pockets, as well as for cleaning of denture surface under prosthesis and dental bridges.		Brush nozzle (1 pc.) Designed to combine tooth cleaning and irrigation.

4. PREPARATION FOR USE

Connect the device to mains. Insert the plug into the outlet. If the plug is equipped with a switch, make sure it is turned on.

Connecting the device to mains with the use of power adapter

Connect the adapter plug into the socket of the device case as shown in **Figure 2** and connect the adapter to mains (AC 100–240 V, 50/60 Hz).

Device charging

The device may operate without connection to mains. To charge the device, connect it to the power adapter. When charging is complete, the indicator on the adapter will change color from red to green. If the internal battery is fully charged, the green indicator will switch on. Disconnect the adapter plug from the rear panel, turn off the appliance and close the safety button.

Preparation of tank

Remove the water tank from the main unit firmly holding the device with one hand. Pull the tank upwards holding the cover. Thereafter, remove the cover from the tank and fill the tank with warm water. Place the tank back in the main unit, press it down by applying slight uniform force and place the cover back.

Installation and removal of nozzles

Insert the nozzle into the opening on the upper surface of the irrigator handle, see **Figure 3**. The colored ring on the nozzle shall become tightly pressed to the handle.

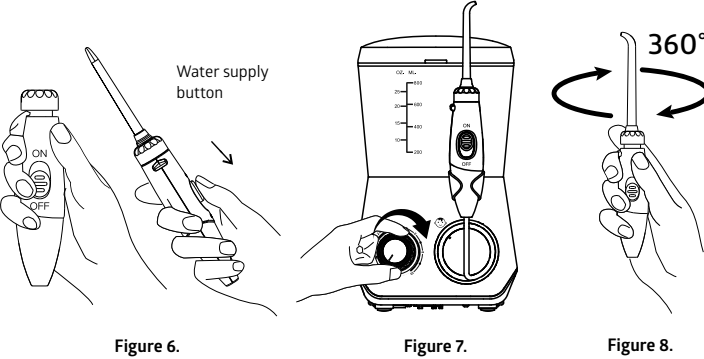
To remove the nozzle, press the nozzle removal/fixation button, and remove the nozzle, see **Figure 4**.

Jet intensity adjustment

When the jet intensity selector is located in the leftmost position, the device is off. Turn the selector clockwise until a “click” sound is heard. The device shall be switched ON. The initial pressure level is minimal. Smoothly turn the selector clockwise to increase the jet intensity. Special kid mode is indicated by appropriate image. See **Figure 5**.

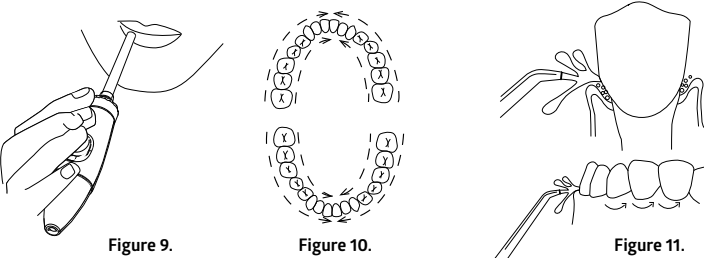
5. OPERATION

Prior to using the device, the jet intensity selector should be placed in the leftmost position. The water supply button shall be in the OFF (bottom) position. See **Figure 6**. Place the nozzle into your mouth. Turn the device on with your free hand as shown in **Figure 7**. Place the water supply button in the ON position. Select the jet intensity. Jet direction may be changed by turning the nozzle rotation angle selector in the upper part of the handle in any direction. Nozzle rotation angle is 360°. See **Figure 8**.



Recommended method

Direct the jet at 90° to the gum line. Close your lips to avoid splashes. However, do not close your mouth, let the water flow out of your mouth freely. See **Figure 9**. For better results start with side and distant teeth and move towards the front teeth. See **Figure 10**. Move the nozzle along the gum line from one tooth to another, slowing down between the teeth. See **Figure 11**. Keep cleaning until the areas around and between the teeth are clean.



Turning the water supply off

You may stop water supply at any time by moving down the button on the slide switch on the handle (see **Figure 12**) into the OFF position. The device shall automatically turn off, if the procedure lasts for over 3 minutes.

⚠ Note:

- Use of unfiltered running water in the irrigator may eventually cause formation of lime scale and deposits in internal parts of the device, which, in turn, may affect its performance.
- Due to hygienic considerations, prior to first use, as well as after long idle period, the irrigator shall be rinsed. For the above purpose fill the tank with water and turn the device on, direct the irrigator handle downwards in the sink.
- Do not use hot water (above 40°C)

After completion of cleaning, turn the device off and put the irrigator handle in the holder, remove the remaining water from the tank. Disconnect the device from the mains.

6. DEVICE STORAGE DISPOSAL

The device shall always be stored out of the reach of children. The device shall be disposed of in accordance with the accepted regulations and shall not be disposed with household waste.

7. PRINCIPLES OF CARE AND CLEANING

After use of the device, disconnect it from mains and wipe it dry. Prior to cleaning the device, make sure the power cord is disconnected from the outlet. Do not use coarse cloths, brushes and abrasive agents for device cleaning. Wipe the device and the irrigator handle with the hose with dry soft cloth.

Wash the nozzles with water after each use. It is recommended to disinfect the nozzles by placing them for 5-10 minutes in any of the following solutions: alcohol solvent, 3% hydrogen peroxide solution, 1% chlorhexidine solution. It is recommended to rinse the nozzles with warm water after disinfection in the solution. Contactless cleaning and disinfection are allowed, including cleaning and disinfection in ultrasonic and ultraviolet cleanser. If the irrigator is used with any solution, it shall always be rinsed after each use. For the above purpose fill the water tank with warm water and turn the device on, direct the irrigator handle downwards into the sink, and wipe the device dry.

8. TROUBLESHOOTING

A number of possible problems and issues that may appear at operation of the device may be solved by the user (see the table below).

If none of the suggested solutions resolves the problem, stop using the device and contact the service and consulting center for maintenance. Addresses and telephone numbers of service and consulting centers are listed in the warranty card.

Problem	Cause	Remedy
The irrigator does not work	The device is not connected to the mains	Check connection to the mains
	No voltage in the outlet	Wait until power is restored
	Poor contact between the plug and the electrical outlet	Connect the device to a different outlet and call for the repair specialist
The irrigator works only for a few minutes even after it is charged	A new device or the device which has not been used for more than 3 months	Charge the battery
	The irrigator battery is not sufficiently charged	Charge the battery fully
Low pressure or no water flow from the nozzle	Wrong position of the jet intensity selector	Adjust the pressure using the jet intensity selector
	Incorrect placement of the water tank, the connection is not tight	Place the water tank in the main unit correctly
	There is no water in the water tank	Fill the water tank
	The nozzle is clogged	Replace the nozzle with a new one
	Wear of pump parts	Contact the service and consulting center
	The hose is damaged	Contact the service and consulting center
Water leakage from under the nozzle	The nozzle is inserted incorrectly or is not inserted fully	Insert the nozzle until the fixation mechanism spring clicks
	The nozzle is clogged or the nozzle base is worn out	Replace the nozzle with a new one
	Wear of the nozzle fixation mechanism with nozzle rotation angle selector	Contact the service and consulting center

9. SPECIFICATIONS

Power supply	Power supply from adapter 8.4 V, 1A DC or from the internal battery 1650 mA-h
Power consumption	18 W
Water pressure, kPa	206-862
Water jet pulsation frequency, pulses/min	Min 1250 pulses/min Max 1700 pulses/min
Usage time of the full capacity of the water tank	depending on the mode: 170 s – 180 s
Maximum time of uninterrupted use	50 min
Tank capacity	800 ml
Number of nozzles in the kit	8
Head adjustment	Smooth, uninterrupted, ten-phase
Full charge time from mains adapter	4 hours
Storage condition	Temperature: -5°C to +55°C Humidity: 20%RH-85%RH Atmospheric pressure: 70 kPa-106 kpa
Operation condition	Temperature: +5°C to +40°C Humidity: 20%RH-85%RH Atmospheric pressure: 70 kPa-106 kpa

10. APPLICABLE STANDARDS

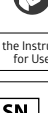
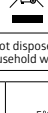
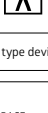
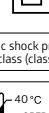
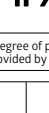
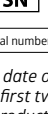
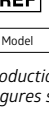
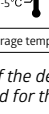
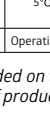
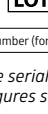
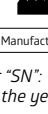
The submitted sample of the above equipment has been tested for CE marking a European Directive and following standards:

- Low Voltage Directive 2014/35/EU
- Electromagnetic Compatibility Directive 2014/30/EU

11. WARRANTY OBLIGATIONS

The warranty for the device lasts for two years after the date of purchase of the device. The warranty doesn't cover the nozzles. The service life of the device is 5 years. The service life of a nozzle is 6 months.

12. EXPLANATION OF SYMBOLS ON PACKING AND LABELS

					
See the Instructions for Use	Do not dispose with household waste	BF type device	Electric shock protection class (Class II)	CE certification	Degree of protection provided by enclosures
					
Serial number	Model	Storage temperature limits	Operating temperature limits	Lot number (for nozzles)	Manufacturer

The date of production of the device is coded on the device label in the serial number “SN”: the first two figures stand for the week of production, the next two figures stand for the year of production

13. INFORMATION ON ELECTROMAGNETIC COMPATIBILITY

Manual and MANUFACTURER'S declaration – ELECTROMAGNETIC EMISSION

The WI-933 device is intended for use in the electromagnetic environment specified below. The purchaser or the user of the WI-933 device should provide that the device is used in the above mentioned electromagnetic environment.

Electromagnetic emission tests	Conformity	Electromagnetic environment – guidance
Interferences according to CISPR 11	Group 1	The WI-933 device uses RF energy only for its internal functions. The level of RFI emissions is low, and probably not lead to disturbance of operation of the equipment located in the vicinity of this device.
Interferences according to CISPR 11	Class B	The WI-933 device is suitable for use in all facilities, including accommodations and facilities directly connected to a low voltage power grid, which supplies power to buildings used for domestic purposes.
Harmonic current components according to IEC 61000-3-2	Class A	
Voltage fluctuations IEC 61000-3-3	Complies	

Manual and MANUFACTURER'S declaration – IMMUNITY

The WI-933 device is intended for use in the electromagnetic environment specified below. The purchaser or the user of the WI-933 device should provide that the device is used in the above mentioned electromagnetic environment.

Immunity tests	Test level according to IEC 60601	Compliance level	Electromagnetic environment – guidance
Electrostatic discharge (ESD) acc. to IEC 61000-4-2	Contact discharge ± 6 kV Air discharge ± 8 kV	Contact discharge ± 6 kV Air discharge ± 8 kV	Floors should be made of wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient (burst) immunity test acc. to IEC 61000-4-4	For power supply lines ± 2 kV For I/O lines ± 1 kV.	For the electric power supply lines ± 2 kV	Mains power quality should be that of a typical commercial or hospital environment.
Surge immunity test acc. to IEC 61000-4-5	Line to Line ± 1 kV Line to Ground ± 2 kV	Line to Line ± 1 kV	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations immunity tests according to IEC 61000-4-11	<5% U _n (voltage dip >95% U _n) for 0.5 cycle 40% U _n (voltage dip >60% U _n) for 5 cycles 70% U _n (voltage dip >30% U _n) for 25 cycles <5% U _n (>95 % voltage dip in U _n) for 5 seconds.	<5% U _n (voltage dip >95% U _n) for 0.5 cycle 40% U _n (voltage dip >60% U _n) for 5 cycles 70% U _n (voltage dip >30% U _n) for 25 cycles <5% U _n (>95 % voltage dip in U _n) for 5 seconds.	Mains power quality – according to typical commercial or hospital environment. If the user of the WI-933 device requires continued operation during power mains interruptions, it is recommended that the WI-933 device be powered from an uninterruptible power supply.
Power frequency magnetic field immunity test (50/60 Hz) acc. to IEC 61000-4-8	3 A/m 50 Hz/60Hz	3 A/m 50 Hz/60Hz	The power frequency magnetic field levels should be that of a typical location in a typical commercial or hospital environment

NOTE: U_n is the voltage level in the power grid before the test exposure is applied.

Manual and MANUFACTURER'S declaration – IMMUNIT – for medical devices other than LIFE-SUPPORTING equipment

The WI-933 device is intended for use in the electromagnetic environment specified below. The purchaser or the user of the WI-933 device should provide that the device is used in the above mentioned electromagnetic environment

Immunity tests	Test level according to IEC 60601	Compliance level	Electromagnetic environment – guidance
Conducted RF interferences acc. to IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 V	The distance between any mobile radio communication equipment and any component of the WI-933 device including cables, should not be lower than the recommended separation distance calculated from the below equation applicable to the frequency of the transmitter: Recommended separation distance: d=1,2√P (80 MHz to 800 MHz) d=2,3√P (800 MHz to 2.5 GHz), where d is the recommended separation distance in meters (m); P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer. Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey ^a should be less than the compliance level in each frequency range ^b . Interference may occur in the vicinity of equipment marked with the following symbol (⚡)
Radio-frequency electromagnetic field acc. to IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	

NOTE 1: At 80 MHz and 800 MHz, the higher field strength applies.
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.
a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. For this, the practical field strength measurements should be performed. If the measured field strength in the location in which the WI-933 device is used exceeds the applicable RF compliance level above, the WI-933 device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the WI-933 device.
b. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

Recommended separation distances for portable and mobile communication equipment and WI-933

The WI-933 device is intended for use in the electromagnetic environment in which the levels of radiated interferences are monitored. The buyer or the user of the WI-933 device can avoid the influence of electromagnetic interference by providing the minimum separation distances between portable and mobile RF communication equipment (transmitter) and the WI-933 as suggested below, taking into account maximum output power of the equipment.

Nominal maximum output power of the transmitter P, W	Separation distance d (m), depending on the frequency of the transmitter		
	d = 1,2√P for 150 kHz to 80 MHz	d = 1,2√P for 80 to 800 MHz	d = 2,3√P for 800 MHz to 1.5 GHz
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: At 80 MHz and 800 MHz, the higher field strength applies.

NOTE 2: These expressions may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

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