

# AQUAJET®

## LD-A8

### Dental Oral Irrigator AQUAJET LD-A8 Instruction Manual

You can download the user's manual  
in your language via the link:  
[www.littledoctor.sg/manuals](http://www.littledoctor.sg/manuals)



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## PARTS LIST

## ZÁKLADNÍ SESTAVA

## FŐ RÉSZEI

## COMPONENTE PRINCIPALE

## ОСНОВНИ ЧАСТИ

## ELEMENTY URZĄDZENIA



№	ENG	POL	HUN	ROU	BGR	CZE
1	Cover	Pokrywa	Fedelet	Capac	Капак	Víko
2	Water container	Pojemnik na wodę	Víztartály	Rezervor pentru apă	Контейнер за вода	Nádrž na vodu
3	Device body	Obudowa urządzenia	A műszer háza	Corpul dispozitivului	Корпус на уреда	Tělo přístroje
4	Water pressure regulating switch	Regulacja strumienia roztworu	Vízugár nyomásszabályozó	Reglator de presiune a jetului	Регулатор на налягането на струята	Regulátor tlaku vody
5	Nozzle	Nasadka	Fúvóka	Capăt	Накрайник	Nástavec
6	Nozzle box	Pojemnik na nasadki	Fúvókatartó rekesz	Compartiment pentru capete	Отделение за накрайници	Zásobník trysek
7	Power switch	Przycisk włącz/wyłącz	Ki/be kapcsoló gomb	Buton Pornire/Oprire	Бутон за включване/изключване	Tlačítko Zapínání / Vypínání
8	Water switch push button	Wyłącznik dopływu wody	Vízadagolás kapcsoló	Înterupător alimentare cu apă	Превключвател на водния поток	Vypínač vody
9	Irrigator holder	Rączka irygatora	Szájzuhany fogantyú	Mânerul irigatorului	Дръжка на иригатора	Rukojeť irigátoru
10	Spray tube	Tuba	Cső	Tub	Тръба	Trubice

FIGURES

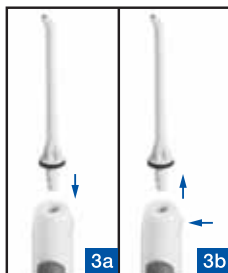
ILUSTRACJE

RAJZOK

FIGURI

ФИГУРИ

OBRÁZKY



## AQUAJET AND ORAL CARE

With regards to dental care, most people tend to focus on «whiteness» while ignoring the importance of gum tissue health. Failure to clean the surfaces of the teeth below the gum line, particularly between the teeth, aside from halitosis, results in the gradual accumulation of tartar and plaque. This accumulation allows ever increasing bacterial population, stimulating increased blood flow as the body's defenses are mobilized.

The first sign is often bleeding gums in response to whatever friction is applied. As the condition progresses, the gum tissue tends to move away from the tooth allowing the bacteria to penetrate further following the gum tooth interface, finally reaching and attacking the supporting bone structure. As the bone is eroded by bacterial action, the gums tend to fall in toward the receding bone. The result is the appearance of tooth elongation as more of the gum support and support structures fall back. As the tooth loses its root anchor, it gradually becomes loose and eventually falls out. Occasionally, the bacterial invasion of support bone structure can lead to abscesses, cysts and creeping infection threatening the brain itself.

Consequently, it cannot be over stressed the importance of maintaining scrupulous oral hygiene. The use of the AQUAJET after every meal is an important first step in a meticulous program of oral hygiene both for busy executive and his family.

The AQUAJET is endorsed and recommended by professional dentists. It cleans teeth crevices, between the teeth and under the gum line very effectively. The nozzle can be swiveled thus adjusting water direction and can access areas that brushing and flossing may not reach. The powerful water pressure flushes away food residue and massages the gums. It improves blood circulation and helps prevent periodontal disease, gingivitis, tooth decay and assists in inhibiting plaque formation. Using the device daily will promote and safeguard healthy teeth and gums. It is a remarkable, convenient tool for maintaining oral hygiene.

## IMPORTANT SAFEGUARDS

When using electrical products, especially when children are present, the basic safety precautions that are listed below should be always followed. Please read all instructions before using the AQUAJET.

Contraindications:

- Physician should review patients who previously require antibiotic premedication for dental treatment prior to introducing oral irrigation(bacteremia)
- Patients with periodontal abscesses or ulcerative lesions.

## AQUAJET LD-A8 OPERATION BY CHILDREN

***IMPORTANT! AQUAJET LD-A8 oral irrigator is an electrical device! This device can be operated by the child only under the supervision of an adult who reviewed this user manual.***

The use of AQUAJET LD-A8 oral irrigator reduces the risk of dental diseases, facilitates oral care, and reduces the oral hygiene several times if the child wears braces. Also, the children often are not patient enough for a thorough tooth brushing, and the use of an irrigator helps maintain a superior oral hygiene.

The children can start using the oral irrigator since they begin using a toothbrush.

Despite the fact that the proper use of an oral irrigator cannot injure the mouth, always consult a pediatric dentist before the first use of an irrigator.

## DANGER

- Always unplug this appliance immediately after using.
- Do not handle the plug with wet hands.
- Do not place or store product where it can fall or be pulled into a tub or sink, shower stall.
- Do not use while bathing.
- Do not place in or drop into water or other liquid.
- Do not reach for any appliance that has fallen into the water. Unplug it immediately.
- Before using, check the power cord for damage.
- Dispose of the device, compotes and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental pollution.

## WARNING

To reduce the risk of burns, electric shock, fire, serious injury or damage to persons:

- Do not use this appliance if the power cord or plug is damaged, if it is not working properly, if it has been dropped or damaged, or dropped into any liquid. Return the appliance to an authorized service center nearby for examination and repair. Do not try to fix it yourself.
- When the appliance is used by, on, or near children, close supervision is very necessary.
- An appliance should never be left unattended when it is plugged in. Use the appliance only for its intended use as described in this manual. Do not use attachments or accessories not recommended by the manufacturer.
- Keep the power cord away from hot or heated surfaces.
- Remove the Water Container before filling. Fill with lukewarm water or appropriate oral rinse products only. Do not overfill.
- Never drop or insert any object into any opening or hose.
- Do not operate where oxygen or aerosol sprays are being used.
- Do not use outdoors.
- The supply mains switch is incorporated in the device.
- The supply main switch shall comply with the creepage distances and air clearances as specified in IEC 61058-1.
- The direction of movement of the actuator of the supply mains switch is comply with IEC 60447.
- Do not modify this equipment without authorization of the manufacturer.
- All major maintains on the device must be performed by an authorized service center or distributor.No use-serviceable parts inside, before servicing to authorized reoresentative or manufacturer!
- The fuse is in the device, which should be changed by authorized service if damaged.
- The power supply cord is replaceable only by professional maintenance personnel or manufacturer.
  1. The power supply cord should be placed in the fixed wire case, and fixed by the power cover.
  2. The power supply cord should be reliably placed inside the device, and cannot be twisted around the screw pillar.
  3. The power supply cord should be equipped with protection cover, which should be reliably fixed in the slot between upper and bottom case and cannot be loosed if pulled.

There are no contraindications for the use of the device by pregnant and nursing women.

## DECLARATION

When technical information for user requirements is not in the scope of confidentiality of the Company, the Company committed to provide information disclosure in accordance with procedure, including circuit diagrams and parts lists, and other related type technology information that do not involve commercial secrets may be disclosed. Access to information channels and procedures, please contact your dealer or manufacturer.

## HOW TO USE

Before use, position the device on a dry level surface or fix it on a wall (see "WALL MOUNTING INSTALLATION").

### Placing Water Container

Use of alcohol containing liquids, liquids with suspended matters, oily liquids, as well as other liquids not intended for irrigator application can entail irrigator failure!

Open a cover and remove a water container. Fill the container with warm water or special solution.

When you first use fill the reservoir with warm water, put the regulator pressure of the jet to the «0» and then a few times gently turn the knob to «4» and back to the water filled all the internal cavity. The device will be ready for first use, when the water in the reservoir is consumed completely.

Then, fit it back to its position (Fig.1). Make sure the water temperature does not exceed 40°C. Do not fill any hot water into the container. The gum is very sensitive. It may be hurt by hot water.

### Power Cord And Plug

A power cord is inserted into a special back-wall compartment (Fig. 2). Slide down the back cover and take out the power cord. Place the back cover to its original position with the power cord brought out through a special opening.

### Attaching/detaching nozzle to handle of irrigator

This device is completed with 4 rigid and 1 flexible attachments to have individually colored rims. Select an individually colored attachment for every member of your family. Use your individually colored attachment only.

This will allow following the full personal hygiene requirements. Insert an attachment into the irrigator knob up to it clicks, so that the attachment guide matches the irrigator knob groove (Fig. 3a). Now, this device is ready for operation.

For removing an attachment press the button and pull the attachment holding it by notches (Fig. 3b).

#### **Safe attachment removal recommendations:**

1. If an attachment fails removing from the knob or slides in your hands watered, use dry cloth. Wrap the attachment around by soft and dry cloth and try to remove it again.
2. When removing an attachment from the irrigator knob, DO NOT try turning it about its axis. An attachment turned can be damaged.

Please buy additional nozzles AQUAJET LD-SA01, LD-SA02 or LD-SA05 only.

### Power On Button

Press the power on button. At that, green indicator will light up on the button. For the first time use, please turn on the power on button for seconds until water coming out (Fig. 4).

## Adjust Water Pressures

Adjust water pressure regulating knob before using (Fig 5). Turn it to the lowest setting (position 1) for first time use, especially if your gums tend to bleed or if children are using the AQUAJET. Gradually increase the water pressure over time until finding the most comfortable setting for yourself. Consult your professional dentists for recommendation of water pressure setting, particularly if the consumers have mouth disease.

## Start To Use

Bend over the nozzle tip and guide it to your teeth and gums. Start up water jet with the water switch located on the handle of irrigator (Fig. 6) by sliding it up. Keep your mouth slightly open to allow the water to run into the washbasin. You can block jet anytime sliding down water switch on the handle.

Direct the jet stream along the gum line with the jet tip. It can flush away the food particles remains on the teeth or between the teeth effectively and massage the gum gently.

## AFTER USE

According to studies of periodontal disease cases, the early stages of plaque formation are often ignored because of the lack of clear symptoms. Typically the disease is allowed to progress until the more serious middle or last stages. Bleeding from the gums upon use of the AQUAJET is symptomatic of periodontal disease, however, continued use of the AQUAJET tends to alleviate these symptoms and allows the gums return to a healthier state. If the bleeding carries on for more than two weeks, please consult your dentist.

After use, always empty the Water Container, spray tube and nozzle entirely to prevent creating any bacteria from the standing water. Turn the power on button off. Take off the nozzle and store it into the nozzle retaining box. Wipe the handle dry and place it back onto its base.

## CLEAN AND MAINTENANCE

Before cleaning and maintaining the AQUAJET, always unplug from the electrical outlet first. Regularly clean the housing with a damp cloth. The Water Container and Nozzles are removable and dishwasher-safe. When cleaning, please do not use any rough tool or utensil to wash the main body (such as scrubbing pad) to prevent the AQUAJET from damaging.

The cleaning should be done at least every one week.

If the device is used for multiple patients, it is necessary to clean the device between uses on different patients.

## CHECK AND INSTALLATION

Every unit is packed with 4 nozzles and a screw bag. After unpacking, please check them first. If there is any parts missing or broken, please contact your local dealer for replacement. The spray tube, nozzles or Water Container may be with several drops of water left inside. It is left from the test. It is distilled water that is safe and hygienic. It is no harm to the health.

Do not repair or modify this AQUAJET yourself. If parts need to be replaced, changed or repaired, please contact your local dealer or an authorized service center.





## WALL MOUNTING INSTALLATION

Take off the rear panel by pushing it downward. Drill two bores in the wall and drive two plastic inserts into. Screw in the rear panel (Fig. 7). Take the power cord out of the storage box and fit it through the hole of rear panel. Do not press too hard to damage the power cord (Fig. 8). Please make sure to screw in tightly (Fig. 9).

## GUARANTEE

We grant a 2 years guarantee on the product commencing on the date purchase. The guarantee only comes into force if the date of purchase is confirmed by the dealer's stamp and signature on Guarantee Card.

## SPECIFICATIONS

Model	LD-A8
Power source	230V AC ~50Hz
Power consumption	140VA
Water pressure minimal maximum	90 psi and below 200 psi and below
Pump frequency	1200 imp./min.
Duty cycle	10 Min on, 60 Min off
Water Container using time	1.5 minutes
Complete Set	Main Body, Water Container, Rear Panel, 4 Nozzles LD-SA01, 1 Nozzle LD-SA02, Screw Bag
Water Container Volume, no less than	500 ml
External dimension	180(H) x 165(W) x 140(D)mm
Operating conditions: Temperature Relative humidity Atmospheric pressure	+10°C to +35°C 80% and below 86 to 106 kPa
Storage and transportation environment: Temperature Relative humidity Atmospheric pressure	-10°C to +40°C 80% and below 50 to 106 kPa
Net Weight	1470 g
Year and month of manufacturing	indicated in the bottom of the unit body in a serial number after symbol "A" (first two digits - year, second two digits - month).
Key to symbols	<p><b>IP 21</b> IP protection level</p> <p> Important: Read the manual</p> <p> When utilizing the waste, refer to current rules applicable in your region</p> <p><b>CE</b> 0123 CE marking in conformity with EC directive 93/42/EEC</p> <p> Type BF Applied Part</p> <p> CLASS II</p>

Revision date of the present User Manual is indicated on the last page thereof as follows: XXX/YYMM/XX, where YY is the year, and MM is the month of the revision.



## TROUBLE-SHOOTING GUIDE

Problem	Cause	Corrective Action
AQUAJET is no function.	«Power» is not connected.	Unplug it and plug it again.
	«Socket» has no electricity.	Try other sockets and plug it again.
Pump is functioning, but there is no water sprayed out	There is no water inside the Water Container after using.	Refill water into the Water Container. After seconds, the water stream will be jetted out.
	The water switch in the bottom position	Slide the water switch upwards
Water pressure is too low.	It may be created due to the wrong water pressure regulation switch position.	Adjust the switch to the most suitable one.
	Water Container is placed wrong location	Check the Water Container to see if it is placed to its correct location.
The water container leaks.	The container rubber valve is loose.	Rinse the valve under running warm water using a detergent.

## PERIODIC SAFETY CHECKS

Preventive inspection and maintenance to be performed including the frequency of such maintenance

- 1 .Please clean the plug of power cord at least once a year. Too much dust on plug may cause the fire.
- 2.The following safety checks should be performed at least every 24 months by a qualified person who has adequate training, knowledge, and practical experience to perform these tests.
  - a) Inspect the equipment and accessories for mechanical and Functional damage.
  - b) Inspect the safety relevant labels for legibility.
  - c) Inspect the fuse to verify compliance with rated current and areaking characteristics.
  - d) Verify that the device functions properly as described in the instructions for use.
  - e) Test the enclosure leakage current according to IEC 60601-1:2005: Limit: NC 100 uA, SFC: 500uA.
  - f)Test the patient leakage current according IEC 60601-1:2005: Limit: for a.c: 100 uA, for d.c: 10 uA.
  - g)Test the patient leakage current under single fault condition according IEC 60601-1:2005: Limit: for a.c: 0.5mA, for d.c.:50uA.

The leakage current should never exceed the limit. The data should be recorded in an equipment log. If the device is not functioning properly or fails any of the above tests, the device has to be repaired.

### NOTES:

- Subject to technical modification without prior notice.
- Do not use the device where it may be exposed to flammable gas.
- This unit confirms to EMC Standard IEC60601-1-2:2007. However, if it is used together with other medical devices or electrical equipment, they may influence the operations of one of devices. Please follow any instructions in the manuals and use all devices correctly.

## CERTIFICATION AND STATE REGISTRATION

This unit manufacturing is certified according to international standard ISO 13485.


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 Little Doctor Europe Sp. z o.o., 57G Zawila Street Krakow 30-390 Poland.

## ADDITIONAL ACCESSORIES\*

### Nozzle AQUAJET LD-SA01



- Intended for use with AQUAJET LD-A8 oral dental irrigator
- Made of plastic
- For individual use
- Numbers in packing – 2 pcs.

### Nozzle AQUAJET LD-SA02



- Subgingival nozzle for delivering therapeutic rinses into gum pockets, cleaning bridges and dentures.
- Intended for use with AQUAJET LD-A8 oral dental irrigator.
- Made of plastic with flexible nozzle.
- For individual use.
- Numbers in packing – 2 pcs.

### Nozzle AQUAJET LD-SA05



- Intended for use with AQUAJET LD-A8 irrigator
- Special orthodontic nozzle with a toothbrush for clearing dental brackets
- Made of plastic
- For individual use
- Number in the package – 2 pcs.

\*Need to be purchased separately.

## GUIDANCE AND MANUFACTURERS DECLARATION – ELECTROMAGNETIC EMISSIONS-FOR ALL EQUIPMENT AND SYSTEMS

<b>Guidance and manufacture's declaration – electromagnetic emission</b>		
The LD-A8 is intended for use in the electromagnetic environment specified below. The customer of the user of the LD-A8 should assure that it is used in such and environment.		
<b>Emission test</b>	<b>Compliance</b>	<b>Electromagnetic environment – guidance</b>
RF emissions CISPR 11	Group 1	The LD-A8 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The LD-A8 is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Complies	

**MAKE SURE  
THE VOLTAGE  
IS CORRECT**

- Използвайте само с посочената електрическа мрежа.
- Používejte pouze s určenou sítí.
- This AQUAJET is suitable for local power voltage only.
- Csak a megadott típusú villamos hálózaton használható.
- Należy używać tylko i wyłącznie ze wskazaną siecią elektryczną.
- Folosiți numai în rețeaua electrică specificată.



**AQUAJET**

- Не слагайте устройството във вода, при изтичането на вода или под душа.
- Nepokládejte přístroj do vody, do splachovače nebo do sprchy.
- Do not place this AQUAJET in water container to avoid electric shock.
- Ne helyezze a készüléket vízbe, lefolyó víz alá vagy a zuhanyzófülkébe.
- Nie umieszczać urządzenia w wodzie, pod bieżącą wodą lub w kabinie prysznicowej.
- Nu puneți dispozitivul în apă, sub jet de apă sau în cabina de duș.



**AQUAJET**

- Не позволявайте на децата да използват уреда без надзора на възрастните.
- Nedovólujte dětem používat přístroj bez dozoru dospělé osoby.
- Children are not aware of the danger of the appliance, so this AQUAJET must be used under the care of the parents.
- Ne engedje, hogy gyerekek használják a készüléket felnőtt felügyelete nélkül.
- Dzieci mogą korzystać z urządzenia tylko pod opieką dorosłych.
- Nu permiteți copiilor să folosească dispozitivul fără supravegherea adulților.



**10 Mins...**



- Не използвайте уреда повече от 10 минути без почивка.
- He използвайте уреда с празен контейнер.
- Nepoužívejte přístroj déle než 10 minut bez přestávky. Nepoužívejte přístroj s prázdným kontejnerem.
- Do not use over 10 minutes when tank contains the water and do not use when there is no water in the tank.
- Ne használja a készüléket 10 percnél tovább szünet nélkül. Ne használja a készüléket üres konténerrel.
- Nie korzystać z urządzenia dłużej niż 10 minut bez przerwy. Nie korzystać z urządzenia, gdy zbiornik jest pusty.
- Nu folosiți dispozitivul mai mult de 10 minute fără întrerupere. Nu folosiți dispozitivul cu rezervorul gol.



# AQUAJET®

WWW.AQUAJET.SG

**ENG** WARRANTY CARD

**POL** KARTA GWARANCYJNA

**HUN** GARANCIAJEGY

**ROU** CERTIFICAT DE GARANȚIE

**BGR** ГАРАНЦИОННА КАРТА

**CZE** ZÁRUČNÍ LIST

## LD-A8

MODEL / MODEL / MODEL / MODEL /  
МОДЕЛ / MODEL

DATE OF SALE / DATA SPRZEDAŻY / AZ ÉRTÉKESÍTÉS DÁTUMA /  
DATA VÍNZÁRII / ДАТА НА ПРОДАЖБАТА / DATUM PRODEJE

SERIAL NUMBER / NUMER SERYJNY /  
SZÉRIASZÁM / NUMĂRUL DE SERIE / СЕРИЕН  
НОМЕР / SÉRIOVÉ ČÍSLO

NAME OF PURCHASER / IMIĘ I NAZWISKO KUPUJĄCEGO / VEVŐ  
NEVE / CUMPĂRĂTOR / ИМЕ НА КУПУВАЧА / JMÉNO KUPUJÍCÍHO

SEAL (STAMP) / PIECZEĆ SPRZEDAWCY / A KERESKEDELMI  
CÉG KÖRPECSEJTJE (BÉLYEGZŐJE) / ȘTAMPILA ORGANIZAȚIEI  
VÍNZÁTORULUI / ПЕЧАТ (ЩАМПА) НА ФИРМАТА  
ПРОДАВАЧ / RAZÍTKO OBCHODNÍ SPOLEČNOSTI

SIGNATURE OF SELLER / PODPIS SPRZEDAWCY / AZ  
ELADÓ ALÁÍRÁSA / SEMNĂTURA VÍNZĂTORULUI /  
ПОДПИС НА ПРОДАВЧА / PODPIS PRODEJCE

Filled in by the authorized representative service organization / Wypełnia upoważniony przedstawiciel punktu serwisowego /  
A szervizeléssel megbízott cég képviselője tölti ki / Se completează de reprezentantul de service autorizată de organizare /  
Попълва представител е получил разрешение в услуга на организацията / Plnă zástupce oprávněná servisní organizace.

Date / Data / Datum / Data Дата / Datum	Warranty Service Marks / Informacje o wykonanych naprawach gwarancyjnych / Feljegyzések a garanciális szerviz lefolytatásáról / Mențiuni cu privire la desfășurarea garanției / Маркиране за извършване на гаранционно обслужване / Známký o provedení záruční servis

CE 0123



IP 21



UA.TR.001

E387/1905/05