


Aquilon

 Do not sterilise



Instruction

REF 2100033-ENG/05.11

English

Medical devices entirely made in Switzerland by Bien-Air Dental SA.

Type
Dental air micromotor, non-sterilisable.

Description Aquilon
with internal or external spray, without light as per ISO Standard 3964.

Intended use

Product intended for professional use only. Use in dentistry for prophylaxis, general dentistry and endodontic work.

Technical data and assembly

Classification
Class IIa in accordance with European Directive 93/42/EEC concerning medical devices.

Coupling
For 2-3- or 4-way coupling, **fig. 1**

Important
Never mount an instrument on a rotating motor.

Dimensions
Ø 23 x 65 mm

Weight
90 g without the cable.

Recommended rotation speed
5,000 rpm up to 25,000 rpm; rotation in both directions, positions A, B and C **fig. 2**.

Mechanical power
16 W

Torque
25 mNm

Noise level
In accordance with ISO 11498, less than 70 dBA at 45 cm (17.72 in).

Air consumption output
56 noml/min on average.

Required air pressure
Adjust the required air pressure to 3.1 bar with the assistance of a Bien-Air Dental inspection pressure gauge - 3-hole version or 4-hole version, placed between hose and Unifix coupling, **fig. 1**.

Changing the seals fig. 3

Maintenance

 **Non-sterilisable**

Clean and lubricate the device before the treatment of each patient.

Only use maintenance products and components from Bien-Air Dental. The use of other products and components can void the guarantee.

Servicing

Never disassemble the device. For any modification and repair, we recommend that you contact your regular supplier or Bien-Air Dental directly. Bien-Air Dental asks the user to have its dynamic instruments checked or inspected at least once a year.

Cleaning

Carefully clean all surfaces with a cloth impregnated with Spraynet, **fig. 4**.

Disinfection

Disinfect using a clean cloth soaked in a suitable product. Products containing acetone, chlorine and bleaches are not recommended as disinfectants.

Never immerse in disinfectant solutions.

Not suitable for ultrasonic bath.

Lubrication

Lubrication at least twice a day. Only use the spray **Lubrifiuid**.

- Place the device in a cloth so as to catch the debris and foreign matter expelled by the atomizer jet.
- Insert the nozzle into the back of the instrument sleeve. Spray for about 1 second **fig. 5**.

Transport and storage conditions

Temperature between -40°C (-40°F) and 70°C (158°F), relative humidity between 10% and 100%, atmospheric pressure 50 kPa to 106 kPa (7.3 to 15.3 psi).

Information

The technical specifications, illustrations and dimensions contained in these instructions are given only as a guide. They may not be the subject of any claim. The manufacturer reserves the right to make technical improvements to its equipment, without amending these instructions. For all additional information, please contact Bien-Air Dental SA at the address indicated on the back cover.

Other precautions for use

The device must be used by a qualified person in accordance with the current legal provisions concerning industrial safety, health and accident prevention measures, and these working instructions. In accordance with these requirements, the operators:

- must only use operating devices that are in perfect working order; in the event of irregular functioning, excessive vibration, abnormal heating or other signs indicating malfunction of the device, the work must be stopped immediately; in this case, contact a repair centre that is approved by Bien-Air Dental;
- must ensure that the device is used only for the purpose for which it is intended, must protect themselves, their patients and third parties from any danger, and must avoid contamination through the use of the product.

The device is intended for medical treatment only; any use other than that for which this product is intended is unauthorised and may be dangerous. The medical device meets all the current legal requirements.

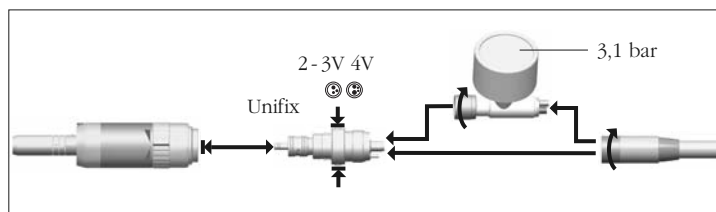


fig. 1

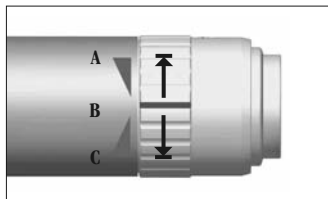


fig. 2

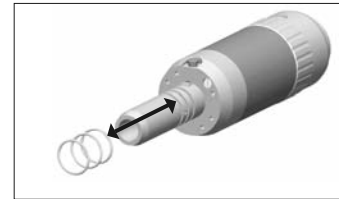


fig. 3

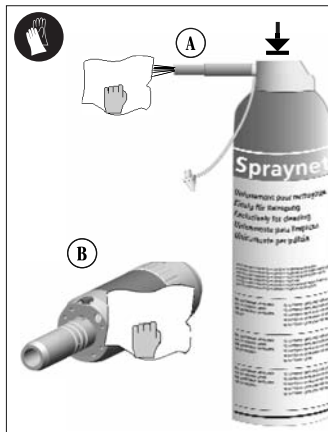


fig. 4

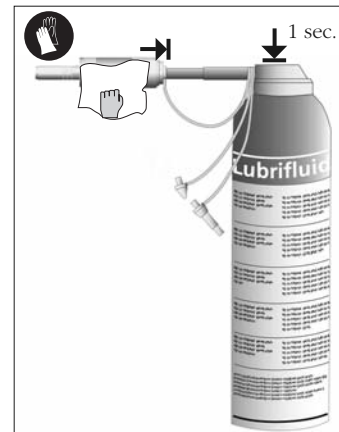


fig. 5

Recommendations

It is essential to use dry, purified compressed air in order to ensure the long working life of the device. Maintain the quality of the air and the water by regular maintenance of the compressor and the filtration systems. The use of unfiltered hard water will lead to early blockage of the tubes, connectors and spray cones.

Rest the device on a suitable support to avoid risks of infection for yourself, the patient or third parties.

Guarantee

Terms of guarantee

Bien-Air Dental grants the user a guarantee covering all functional defects, material or production faults. The device is covered by this guarantee for 12 months from the date of invoicing.

Bien-Air Dental offers a 24-month guarantee for the glass-bar light conductors.

In the event of justified claim, Bien-Air Dental or its authorised representative will fulfil the company's obligations under this guarantee by repairing or replacing the product free of charge. Any other claims, of whatever nature, in particular in the form of a claim for damages and interest, are excluded.

Bien-Air Dental shall not be held responsible for damage or injury and the consequences thereof, resulting from:

- excessive wear and tear
- improper use
- non-observance of the instructions for installation, operation and maintenance
- unusual chemical, electrical or electrolytic influences
- poor connections, whether of the air, water or electricity supply.

The guarantee does not cover flexible "fibre optic" type conductors, or any parts made of synthetic materials.

The guarantee shall become null and void if the damage and its consequences are due to improper manipulation of the product, or modifications to the product carried out by persons not authorised by Bien-Air Dental.

Claims under the terms of the guarantee will be considered only on presentation, together with the product, of the invoice or the consignment note, on which the date of purchase, the product reference and the Serial No. should be clearly indicated.

Set supplied



REF 1700058-001



REF 1700211-001

Optional accessories



REF 1600362-001



REF 1600070-01



3-hole
REF 1600242-001



4-hole
REF 1600243-001



2-3V
REF 1600081-001



4V
REF 1600082-001



10x
REF 1300145-010



6x
REF 1600036-006



6x
REF 1600064-006

This product may be covered by one or more of the following patents:
EP Europe: 745358 / 688539 / 948294 / 1145688 / 1563800 / 1563801 / 1675523 / 1753360
DE Germany: 29616023.7
DK Denmark: 9600315
FR France: 2722972
CH Switzerland: 693922
CN China: 100528099 / 100522100 / 100522099 / 100553584
JP Japan: 3892485 / 4298933 / 7000419
US United-States: 5453008 / 6033220 / 6319003 / 7214060 / 7448870
RU Russia: 2361540 / 2361541 / 2372046

REF 1600070-001 MOT AQUILON830 Spray interne / REF 1600362-001 MOT AQUILON830 Spray externe

REF Legend

1700058-001	Aquilon 830 with internal spray, without light set with 2-3-hole Unifix-coupling
1700211-001	Aquilon 830 with internal spray, without light set with 4-hole Unifix-coupling
1600070-001	Aquilon 830 with internal spray, without light, with 2-3 and 4-hole Unifix rotating quick coupling
1600362-001	Aquilon 830 with external spray, without light, with 2-3 and 4-hole Unifix rotating quick coupling
1600081-001	Unifix 2-3-hole coupling
1600082-001	Unifix 4-hole coupling
1600242-001	Gauge for 3-hole attachment
1600243-001	Gauge for 4-hole attachment
1300145-010	Attachment seals for micromotors
1600036-006	Spraynet, cleaning spray 500 ml, box of 6 cans
1600064-006	Lubrifluid, lubricant 500 ml, box of 6 cans

List of Bien-Air Dental SA registered trade mark products ®:

Aquilon®	Eolia®	Lubrifluid®	Prestilina®
Bora®	Gyro®	Lubrimed®	Spraynet®
Boralina®	Gyrolina®	MX®	
ChiroPro®	Isolite®	PowerCare®	

In these instructions, "Device" corresponds to the product described in the heading "Type". For example, turbine, contra-angle, handpiece, micromotor, tube, electronics, connectors, station etc.

Symbols

	Manufacturer.		CE Marking with number of the notified body.
	Attention.		Move in the direction indicated.
	Wear rubber gloves.		Move fully to the stop, in the direction indicated.
	3-hole connection.		
	4-hole connection.		

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