YOUR DENTAL UNITNESS

Instructions for use

Patient Chair

ARCADIA EXT

CE

ENGLISH

ATTENTION

Please read this manual carefully before using the unit. For Information on OEM products, please refer to OEM documentation.

This document is destined for dental care professionals.Describes the dental chair and its different parts as well as instructs how to operate and clean the dental unit.

1. **GENERAL INFORMATION**

The chair has been designed to offer the highest safety and comfort. For this reason, the backrest has not protrusions in the lower part, is completely rounded, allowing the doctors team the correct posture with laid patient.

The shape of the backrest is anatomically shaped allowing a perfect patient's body posture.

The backrest, as optional can have a specila OMS patented compensation system that avoid that patient’s clothes entanglement during the lowering while driving down the backrest

The headrest can be adapted , for greater comfort for childrent patient .

The chair is available in two versions, with fixed installation or on wheels to be moved.

Version with permanent installation

Movable version on wheels

1.1. SYMBOLS

	**CAUTION**	Indicates a dangerous situation which might cause material or physical damage from mild to moderate.
	**DANGER**	Indicates a dangerous situation which might cause a injury or death.
	**NOTE**	Warning, important information for users and technicians.

1.2. SERVICE

O.M.S. SPA Officine Meccaniche Specializzate

Via Dante 20/A 35030 Caselle di Selvazzano (PD) Italia

tel: +39 0498976455 - www.omsdentalunits.com

e-mail: aftersales@omsdentalunits.com

Always comunicate the serial number of the device.

1.3. FOR YOUR SAFETY

1.3.1. Safety precaution

DANGER

To avoid risk of electric shock, this device should only be connected to power networks with protective ground according to the regulations in force in your country.

DANGER

Before swtich on the device after installation, repair or any other technical controll , verify, and if necessary, ground cables to the screw marked with the ground symbol.

DANGER

The device should be installed in spaces with electrical systems in accordance with the regulations in force in your country.

DANGER

The installation of the device must be performed by authorized O.M.S. technician; the choice of pipelines by the designer and the laying of the same must be done by a qualified electrician in accordance with current legislation in your country

DANGER

The use of the device is not allowed to non-professional operators or who have not read the manual instructions.

Always check that the dental units is in good condition.

CAUTION

Do not use the device if any part is defective or worn out. In this case, request the assistance of O.M.S. authorized technicians.

CAUTION

Replace the faulty or worn parts only with original spare parts, guaranteed O.M.S.

DANGER

Do not use the equipment in close conjunction with anaesthetic gas or highly oxygentated enviroments as well as nitrous oxide.

CAUTION

Do not use the device in case of liquids on the floor.

DANGER

No modification on this unit are allowed , do not use non-approved accessories and/or unauthorized modification that might be danger or cause injury to persons and damage

CAUTION

Maintenance procedures shall not be performed while equipment is in use with a patient.

DANGER

In some parts, identified with symbol ”ATTENTION PARTS UNDER VOLTAGE”

The voltage is present even after turning off the main switch, in case you need to intervene on the parts, you must disconnect the power to the system which powers off the device before operate.

DANGER

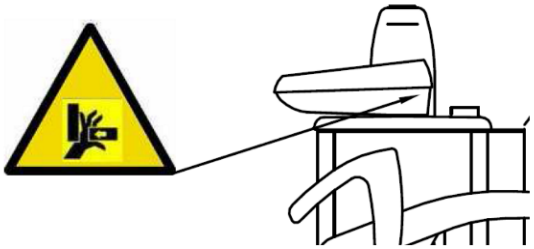
When servicing the unit or in case of maintenaince, always switch the unit off.

CAUTION

To connect a suction system it must be observed the instructions given in this manual and the wiring diagram; the suction system must be marked CE in accordance with Directive 93/42/EEC and s.m.i. or Regulation (UE) 2017/745 Medical devices and safety international standards CEI EN 60601-1 (medical electrical equipment-General requirements for safety), CEI EN 60601-1-2 (medical electrical equipment – collateral regulation: electromagnetic compatibility).

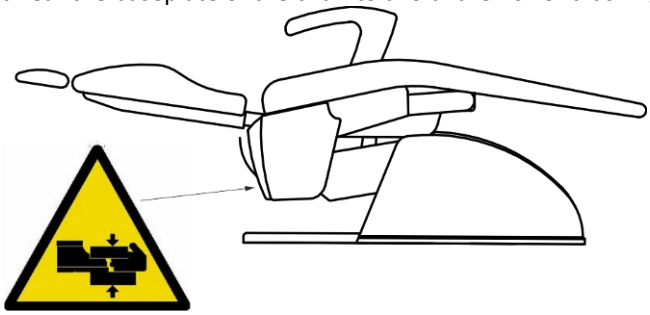
DANGER

The unit with cuspidor on the floor (PLUS), when drive the chair lift motor with the patient check the patient's arm side, to avoid the risk of crushing with the bowl.



DANGER

During the movements of the patient chair, both in manual and automatic position , do not put hands and feet near the baseplate of the chair to avoid the risk of crushing, read the chair instructions.



CAUTION

During the automatic movement of the chair the dental user must stay closer to the dental unit.

CAUTION

Do not sit on the heatrest or on legrest lower part of the chair.

CAUTION

In case of prolonged treatment in elder patients, pay attention to the pressure ulcer

CAUTION

During the movement of the chair and in particular the headrest the patient's hair can get tangled.

ELECTRIC SHOCK DANGER

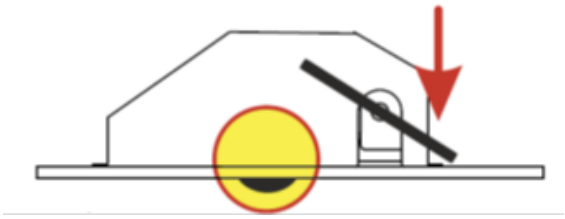
Chair on wheels: before carrying out any moving of the chiar platform , disconnect the power supply, the power supply must be connected only after the correct positioning with the cuspidor of the dental unit.

CAUTION

Chair on wheels: disconnect the connection between patient chair and unit before make any move of the platform of the patient chair

DANGER

Chair on wheels: before the patient be seated down on chair make sure the platfortm for is stuck on the ground by using the stop pedal



DANGER

Patient chair on wheels: the positioning of the chair should be done without the patient

CAUTION

Patient chair on wheels: handling area must be completely cleared.

1.4. INTENDED USE

Patient chair support (and of the unit).

1.5. ENVIRONMENT CONDITION ACCEPTED

1.5.1. ENVIROMENTAL CONDITIONS PERMITTED FOR TRANSPORT AND STORARGE

The unit packed can be exposed for a period not longer of 15 weeks to the following environmental conditions:

Temperature from -40 to +70°C

Relative humidity from 10 to 100% non-condensing

Air Pressure 500 to 1060 hPa

1.5.2. PERMITTED ENVIRONMENTAL CONDITIONS FOR OPERATION AND OTHER SPECIFICATIONS

Temperature from +10 to +40°C

Relative humidity from 30 to 75%

Atmospheric pressure from 800 to 1060 hPa

Altitudine nominale di funzionamento ≤ 3000m

Pollution degree 2

Overvoltage category II

1.6. WARRANTY

The standar warranty period of OMS is 36 (thirty six) months , from the date of installation belong to the end customer. The warranty conditions are shown inside the warranty book supplied with the device.

The warranty is applied to the end customer and follow the product specified INSTALLATION AND INSPECTION REPORT , Only parts are covered under warranty and under no circumstances will OMS S spa cover the labour cost

Please ensure that INSTALLATION AND INSPECTION REPORT is correctly completed in all the sections by an authorised O.M.S. spa technician, and signed by you as well as the technician. To activate the warranty, you must return the signed original INSTALLATION AND INSPECTION REPORT to O.M.S. spa by fax or certified email within TEN DAYS from the date of installation, otherwise the guarantee will not be valid O.M.S. SPA Officine Meccaniche Specializzate

Via Dante 20/A 35030 Caselle di Selvazzano (PD) Italia

fax: +39 0498975566 - e-mail: aftersales@omsdentalunits.com - PEC: omsstaff@legalmail.it

2. **TECHNICAL CHARACTERISTICS**

Model	ARCADIA EXT
Manufactured by	O.M.S. S.p.A. Officine Meccaniche Specializzate
	Via Dante 20/A - 35030 Caselle di Selvazzano Padova Italia
Class	I 
Application parts type	B
Protection level device	IPX0
Protection level foot control	IPX1

POWER SUPPLY

Rated voltage	230 Vac +/-10%
Rated frequency	50/60 Hz

Electrical Network connections must be according to the law of the country.

Rated current	2.7 A
Nominal power	600 W

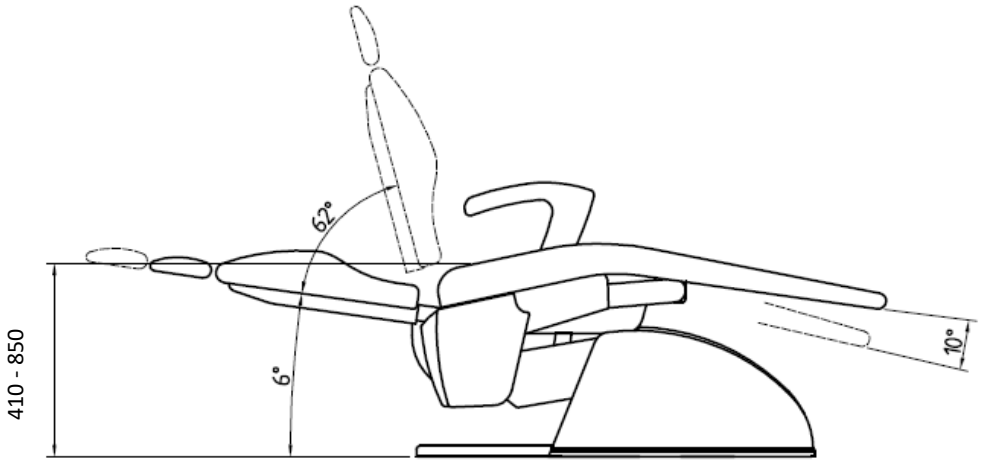
OPERATION TIME OF CHAIR LIFT AND BACKREST MOTORS

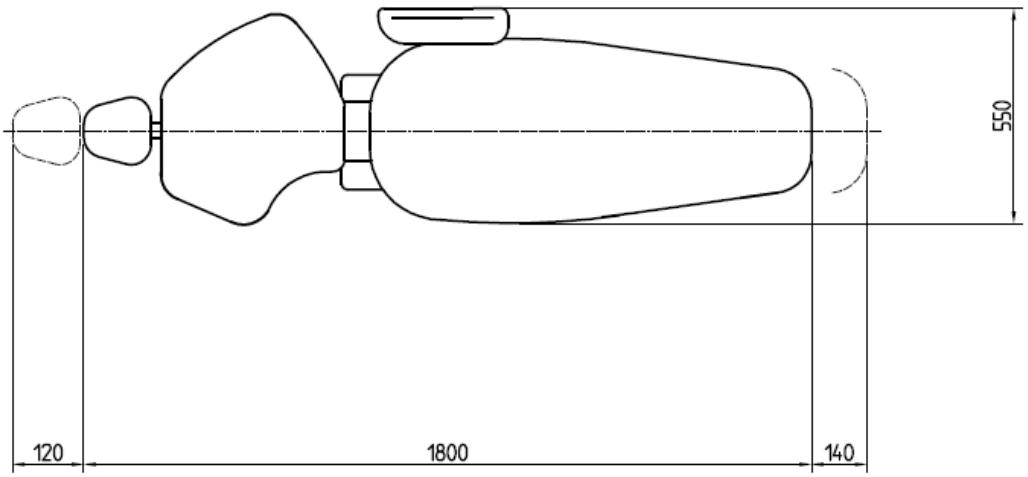
Intermittent operation 60 sec “ON”, 600 sec “OFF”

OTHERS

Cable length foot control	2,5 m
Power cable length (only wheel version)	1,4 m
Total weight	about 126 Kg
Maximum load permitted on the patient chair	200 Kg with cupidor on the floor (not attached)
	155Kg with cuspidor attached to chair,
Minimum space recommended for installation	about 3.20x3.00x3.00 m (LxHxP)

DIMENSIONS





NOTE:
The measures are to be considered indicative and might change according to the configuration of the dental unit and backrest type.

IMPORTANT

Note:

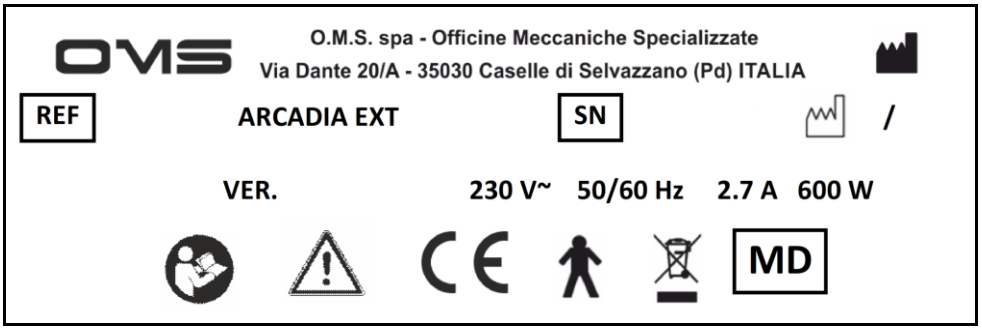
The device is designed and manufactured in compliance with or Regulation (UE) 2017/745 medical devices (and s) and international safety regulations CEI EN 60601-1 (medical electrical equipment-General requirements for safety), CEI EN 60601-1-2 (medical electrical equipment – collateral regulation: electromagnetic compatibility), IEC 80601-2-60 (Medical electrical equipment: Particular requirements for basic safety and essential performance of dental equipment), ISO 7494-1 (patient chairs) , UNI CEI EN ISO 14971 (risk analysis), CEI EN 62366 (ing. Usability), CEI EN 60601-1-6 (Usability).

Note:

O.M.S. declines all responsibility regarding for the safty, reliability and the performance of the unit , if installation , calibrations, and repairs has not been performed by technical authorized and qualified O.M.S. with instructions and components exclusively provided from O.M.S. Electrical installation are carried out according to the appropriate requirements IEC. Equipment is used according to the instruction manual.

2.1. SYMBOLS ON PRODUCT LABELS

On the instrument a nameplate is applied that brings the general data of the instrument.



- REF: device reference
- Rated voltage and nature of current (alternating ~)
- Rated frequency
- Rated current
- Rated power
- SN: Device serial n°
- Manufacturer
- WEEE symbol
- MD: Medical Device symbol
- Applied part Type B
- Mandatory, see enclosed documentation
- Follow operating instructions

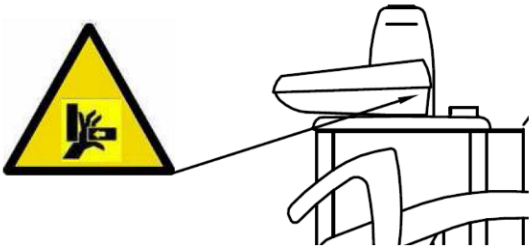
3. COMMAND - CONTROL - WARNING

3.1. SAFETY SYSTEMS

Care should be taken when driving the patient chair to minimize the risk of collision during the movement, Obstruction in the patiente chair's line of movement activate safety switches that stop the motorized movements as well as cuspitor when is out (PLUS VERSION).

DANGER

In the version with a floor cuspidor , the bowl is above the patient chiar and stops upward chair movements, Move the bowl into home position to resume normal operation.

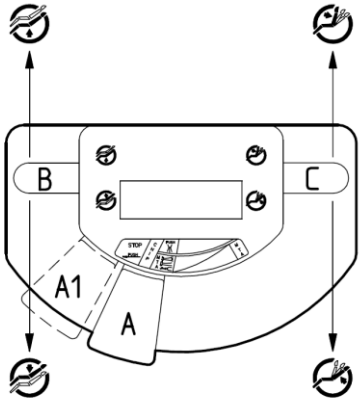


Note:

While using automatic chair position (ei: zero position , pre set or rinsing position) the movement can get stops immediately by pressing any buttons (from the dental console or foot control)

The movement of the chair, can be stuck if one or more safety switches are actived

3.2. **CHAIR COMMAND FROM FOOTCONTROL**



The footcontrol has two side knobs (B and C) that allow to drive the chair upside and downside.

Chair up

Chair down

Backrest up

Backrest down

3.3. MANUAL MOVEMENTS BUTTONS FROM BACKREST

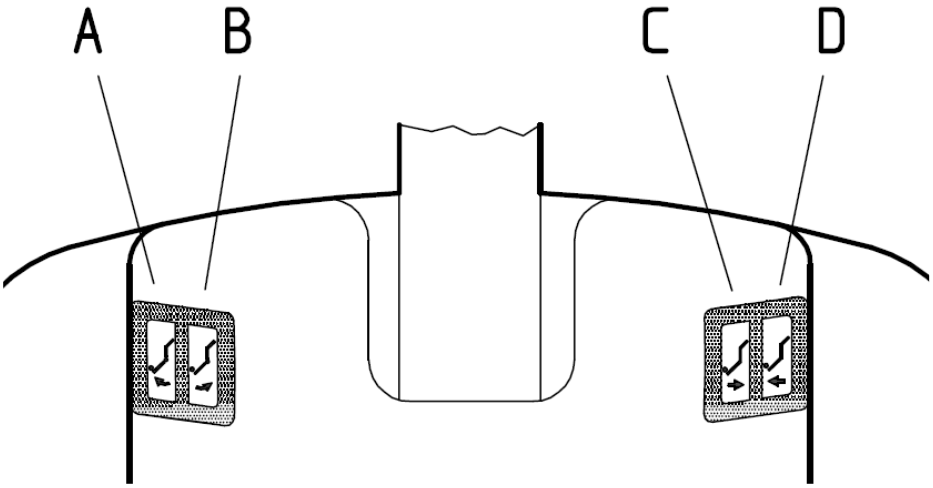
The drive up and down (lift motor- Backrest) can also be done by using the buttons on the backrest (see figures 3 and 4).

A. **Backrest UP** (push the button towards the outside);

B. **Backrest DOWN**(push the button towards the inside);

C. **Chair UP** (push the button towards the inside);

D. **Chair DOWN** (push the button towards the outside).



3.4. AUTOMATIC BUTTONS FROM THE CHAIR

On the backrest has been installed the automatic position buttos, that can be used in different way, dipend of which unit has been intalled.

Note:

When switch on the chair is necessary go to zero position. This allow you to use the automatic position as well as , rinsing position (if has been installed as option).

3.4.1. ARCADIA EXT INSTALLED WITH DENTAL UNITS WITH SUSPENDED CUSPIDOR: LINEA ESSE – LINEA PATAVIUM

3.4.1.1. STANDARD VERSION

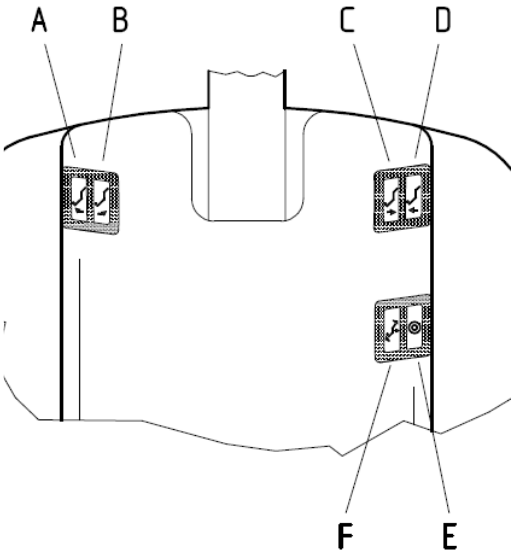
The buttons works as follow:

E. Rinsing position (push the button towards outside):

From any position, this drive up the backrest to the maximum limit, the patient will be able to rinsing.

F. Zero position (push the button towards inside):

This button drives the chiar to lower limit as well as in the same time the backrest goes to the maximun limit



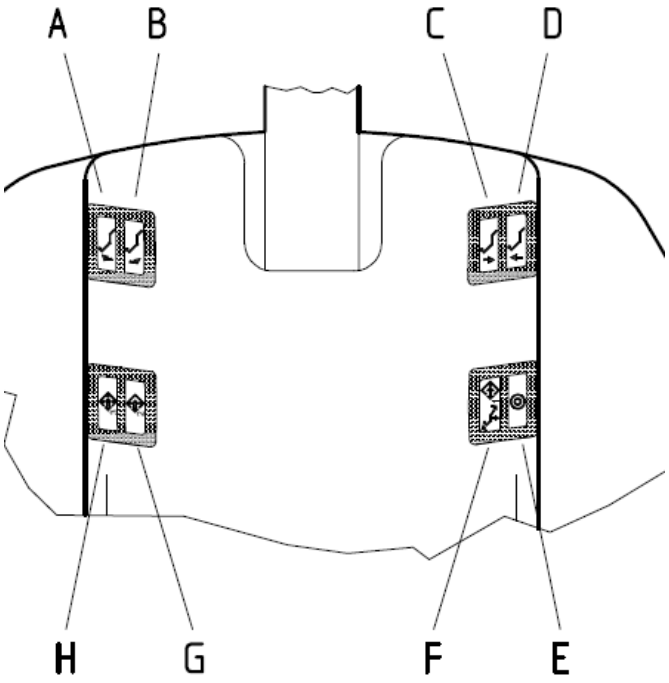
3.4.1.2. CHAIR WITH 3 MEMORY PRE SET AND LAST-POSITION (OPTIONAL)

E. **Rinsing Postion /Last Position** (push the button towards outside): From any position, this drive up the backrest to the maximum limit, the patient will be able to rinsing. To return to the previous working position, press again the same button.

F. **Zero Position/Pre Set Memory 1** (push the button towards the inside):This button drives the chiar to lower limit as well as in the same time the backrest goes to the maximun limit .When the Chair is in the zero position, pressing this button The chair will move automatically to the preprogrammed position.

G. **Pre Set Memory 2** (push the button towards the inside): The chair will move automatically to the preprogrammed position.

H. **Pre Set Memory 3** (push the button towards the outside): The chair will move automatically to the preprogrammed position.



PRE SET MEMORY PROGRAM

1. Move the chair to the required position by using the chair movements buttons on the control panel or by using the foot control.

2. Keep pressed the button Pre Set where the position is going to be saved, until heard a beep that conferm that the pre set has been saved.

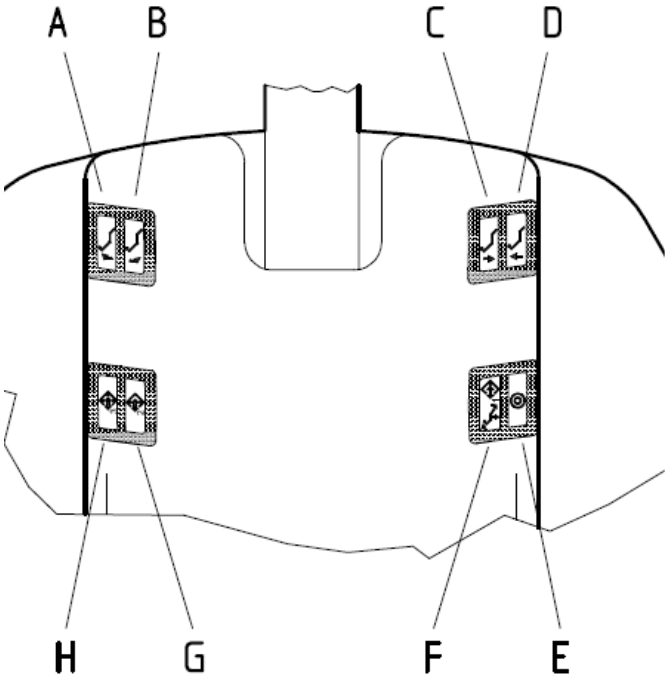
3.4.2. ARCADIA EXT INSTALLED WITH FLOOR-STANDING CUSPIDOR COLUMN: ESSE PLUS – PATAVIUM PLUS

E. **Rinsing Postion /Last Position** (push the button towards outside): From any position, this drive up the backrest to the maximum limit, the patient will be able to rinsing. To return to the previous working position, press again the same button.

F. **Zero Position/Pre Set Memory 1** (push the button towards the inside):This button drives the chiar to lower limit as well as in the same time the backrest goes to the maximun limit .When the Chair is in the zero position, pressing this button The chair will move automatically to the preprogrammed position.

G. **Pre Set Memory 2** (push the button towards the inside): The chair will move automatically to the preprogrammed position

H. **Pre Set Memory 3** (push the button towards the outside): The chair will move automatically to the preprogrammed position.



PRE SET MEMORY PROGRAM

1. Move the chair to the required position by using the chair movements buttons on the control panel or by using the foot control.

2. Keep pressed the button Pre Set where the position is going to be saved, until heard a beep that conferm that the pre set has been saved.

3.4.3. ARCADIA EXT INSTALLED WITH DENTAL UNITS WITH SUSPENDED CUSPIDOR: VIRTUOSUS

The buttons works as follow:

E. Rinsing position (push the button towards outside):

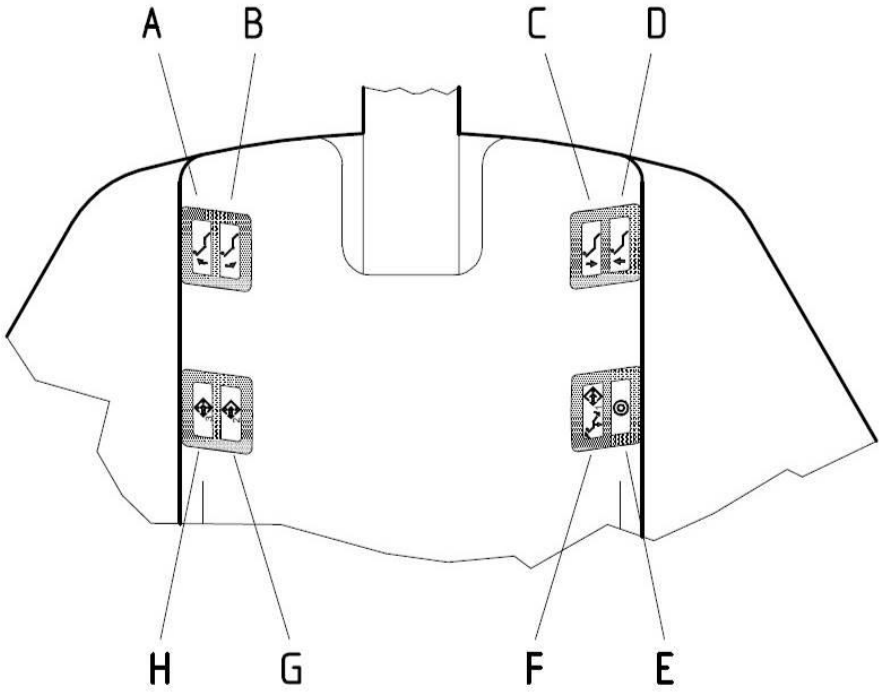
From any position, this drive up the backrest to the maximum limit, the patient will be able to rinsing.

F. Zero position (push the button towards inside):

This button drives the chiar to lower limit as well as in the same time the backrest goes to the maximun limit

G. PRE SET selected on the doctor console.

H. NOT AVAILABLE.



PRE SET MEMORY PROGRAM

1. Move the chair to the required position by using the chair movements buttons on the control panel or by using the foot control.

2. Keep pressed the button Pre Set where the position is going to be saved, until heard a beep that conferm that the pre set has been saved.

3.4.4. ARCADIA EXT INSTALLED WITH DENTAL UNITS FLOOR-STANDING CUSPIDOR COLUMN: VIRTUOSUS PLUS, CARVING PLUS

The buttons works as follow:

E. Rinsing position (push the button towards outside):

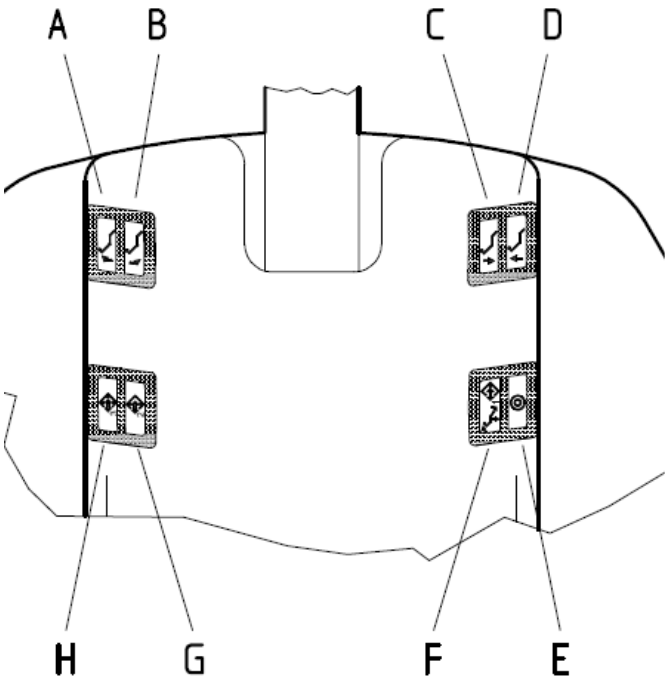
From any position, this drive up the backrest to the maximum limit, the patient will be able to rinsing.

F. Zero position (push the button towards inside):

This button drives the chiar to lower limit as well as in the same time the backrest goes to the maximun limit

G. PRE SET selected on the doctor console.

H. NOT AVAILABLE.



PRE SET MEMORY PROGRAM

1. Move the chair to the required position by using the chair movements buttons on the control panel or by using the foot control.

2. Keep pressed the button Pre Set where the position is going to be saved, until heard a beep that conferm that the pre set has been saved.

4. **CHAIR**

4.1. **DOUBLE JOINT HEADREST**

The double joint headrest can be adjustable, height with an excursion of about 23 cm and has two joint that can be controlled at the same time, pull out the lever located in the back, to realease the locking mechanism ; manually set the headrest to the requiered angle, then lock again.

Positioning the headrest's cushion at 90 ° to the angle adjusted mechanism, it can be rotated on itself by 180°. It is also possible to lower the joint mechanism in a position that gives the headrest greater comfort for childrent patients

Note:

Once the headrest has been adjusted to the working position, place back the lever to lock the movement.








4.2. DOUBLE JOINT HEADREST WITH CLICK

The Double Joint Click headrest can be adjustable, height with an excursion of about 23 cm and has two joint that can be controlled at the same time, pull out the lever located in the back, to realease the locking mechanism ; manually set the headrest to the requiered angle, then lock again.

Note:

Once the headrest has been adjusted to the working position, place back the lever to lock the movement..





4.3. HEADREST WITH 3D MOVIMENT

The Double Joint Click headrest can be adjustable, height with an excursion of about 23 cm and has two joint that can be controlled at the same time, pull out the lever located in the back, to realease the locking mechanism ; manually set the headrest to the requiered angle, then lock again.

Note:

Once the headrest has been adjusted to the working position, place back the lever to lock the movement.




4.4. **ARMREST**

The ARCADIA EXT chair has a left armrest always installed as optional can be installed the right armrest; the right armrest has a button (on the lower part), by pressing that button unlock the armrest and can be move forward o backwards

The armrest can be also completly removed. Moving the armrest backwards, and then pulley outside, it will get out.

5. **POSITION VERSION ON WHEELS**

ELECTRIC SHOCK DANGER

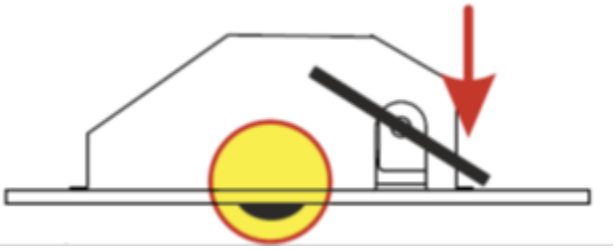
Patient chair on wheels: Before carrying out any movement of the footprint of the chair, disconnect the main plugs, as electric power plug of the chair must be connected only after the correct alligment with the column of the dental unit.

CAUTION

Patient chair on wheels: disconnect the connection between the chair and the unit before carrying out any movement of the footprint.

DANGER

Patient chair on wheels: before sitting the patient on the patient chair, operate the pedal for the ground lock.



DANGER

Patient chair on wheels: the positioning of the chair must be carried out without the patient.

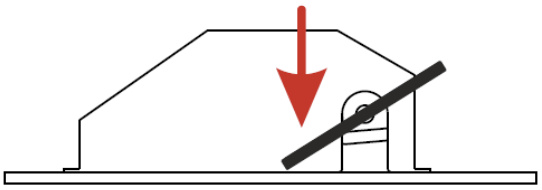
CAUTION

Patient chair on wheels: The handling area must be completely cleared.

Follow the sequence shown below for a correct position of the patient chair:

1. Press to the pedal to realease. Move the chair closer to the column of the unit on the side of the cuspidor

Picture of pedal in neutral position: press the pedal on the left side to lift the swiveling wheel.

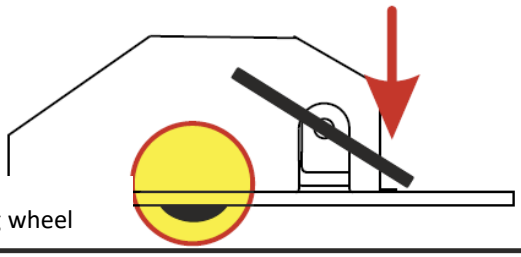


2. Get closer the footprint base with the left side of the cuspodir

3. Place the chair on the side of the cuspidor colum. Check that the long side is perfectly parallel.

4. Lock the chair on the ground using the pedal.

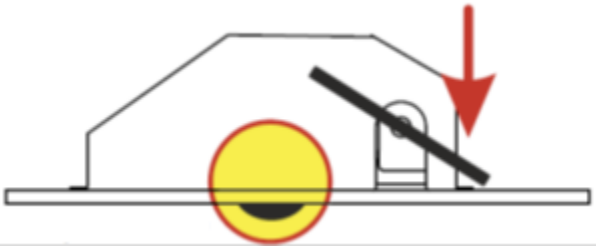
Picture of pedal in neutral position: press the pedal on the left side to lift the swiveling wheel.



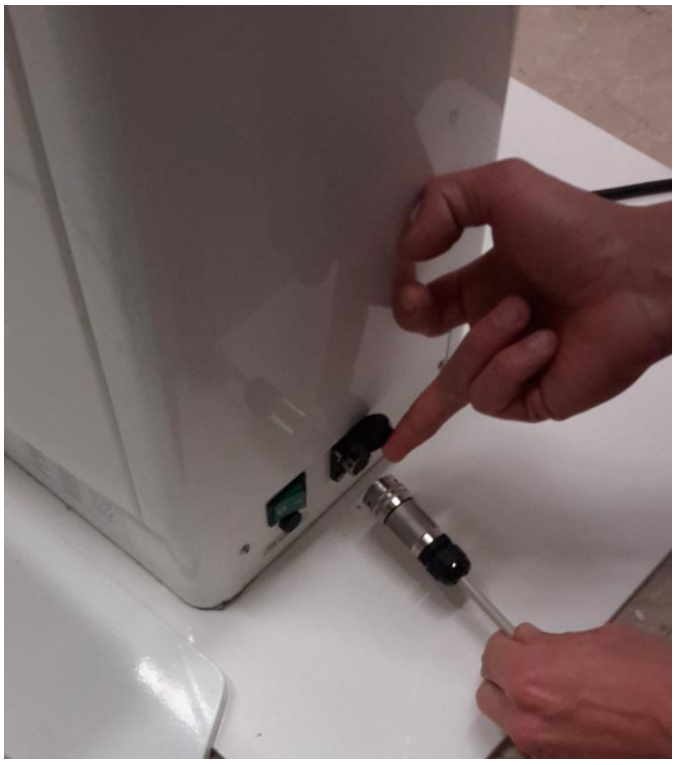
Swiveling wheel

DANGER

Chair on wheels: before the patient be seated down on chair make sure the platformt for is stuck on the ground by using the stop pedal.



5. Use the connector on the base of the column



6. connect the chair using the appropriate power socket .

ELECTRICK SHOCK DANGER

Patient chair on wheels: before carrying out any movement of the footrest of the chair, disconnect the main plugs, the electric power plug of the chair must be connected only and only after the correct positioning with the column of the dental unit.

6. **MAINTENANCE**

To guarantee the dental unit's proper operation, the unit must be checked and serviced by a qualified OMS services technican according to the maintenance schedule that has been set for your dental units.

In the annual maintenance, "CARE KIT" the service technican replaces all parts specified by the Care Kit. These include, but are not limited to, parts in contact with air, water and suction system. In additional the service technician checks and services all dental units parts suspect to wear and tear in normal use. There includes part in the cuspidor, foot control, instrument console, arms, patient chair, assistant arm and operation light. Also the mechanical stability and electrical safety inspection is performed.

The default maintenance interval is 365 days. The message "Care Kit" will remaind you the annual maintenance well in advance.

The activities are classified in:

- Cleaning/disinfection,
- adjustments,
- scheduled maintenance,
- extraordinary maintenance.

6.1. **CLEANING AND DISINFECTING**

For hygiene (and to avoid stains of corrosive agents) clean the device frequently.

For hygiene and cleaning, without risk of damage, O.M.S. recommends the use of products that contain:

- Quaternary Ammonium
- Phenol
- Iodophors

That **do not** contain:

- Alcool
- Hypochlorite
- Soda
- Organic Solvents

O.M.S. recommends these products already tested, always refer to the manufacturer's instructions and safety data sheetsDetergente

- SK SURFACES DISINFECTOR

  Disinfectant

- SK INSTRUMENTS DISINFECTOR 1

Upholstery Patient chair

For the thorough cleaning of the upholstery of the patient chair you can use a product suitable for the treatment of skay such as

- EMULSIO.

For daily cleaning and disinfection use a little aggressive product such as:

- SK SURFACES DISINFECTOR

O.M.S. provides, on request, the tested and proven products in the company.

Note:

O.M.S. declines all responsibility for problems or damages caused by using different productor than those recommended.

DISINFECTION AND CLEANING			
Activities	**Frequency**	**Who makes it?**	**Notes/reference**
Patient chair: Upholstery, headrest and armrests	After each patient	Trained operator	Use only the products indicated by OMS.
Foot Control	daily	Trained operator	Use only the products indicated by OMS.
Metal Casting Painted	daily	Trained operator	It is not recommended use cleaning agent with Ethanolo (alcohol) detergents based on soda or organic solvents, they might wreck the paint and upholstery

6.1.1. PATIENT CHAIR

Note:

Daily cleaning and disinfection must be done with approved OMS products. DO NOT use agresive product for daily upholstery cleaning

The deep cleaning of the upholstery, armrests and headrest shall carry out every 90 days, with products suitable for the treatment and following this procedure.

1. Wipe the upholstery with EMULSIO.
2. Start to treat a small surface and check that there are no changes on the upholstery, then apply it on the whole he upholstery.
3. Wipe the uphosetery with a water to remove the EMUSION from the surface
4. Wait at least 90 days before repeat the treatment.

6.2. SCHEDULED MAINTENANCE

Scheduled Maintenance			
Activities	**Frequency**	**Who makes it?**	**Note/reference**
General functional checks	Annual or after 8000 hours of use	Authorized Technician	
Periodic checks of general safety/performance - IEC 62353	Two years	Authorized Technician	Mandatory by law

6.3. FUNCTIONAL AND SAFETY CHECKS

To guarantee the dental unit's proper operation, the unit must be checked by a qualified OMS services technican according to the maintenance schedule that has been set for your dental units

Medical devices are built to ensure safety even in the event of first failure for the patient, the operator or third parties, must follow the periodically checks, the level of effective safety.

ATTENTION

It is mandatory perform periodic safety tests and checks at least every two years in order to avoid any electrical failures (e.g. damaged insulation), which may reduce the initial safety level

Such checks must be done by a OMS authorized technician, with appropriate tools and equipment and according to well-defined standards; The IEC 62353 standard is the benchmark for the control of electro-medical devices manufactured in accordance with IEC 60601-1.

Periodic tests and checks shall include visual checks, measurements of ground connections and dispersed currents; The results and measured values are necessarily recorded on specific forms and must be stored in order to demonstrate the maintenance of the appliance (complete with its accessories) in time, and to monitor the safety level of the device.

- Following the first commissioning (installation),
- After repair or maintenance work,
- During periodic checks.

DANGER

The use of the dental patient chair is permitted only if all safety checks have been successful past.

6.4. EXTRAORDINARY MAINTENANCE

Some extraordinary maintenance operations are described below; Except for paint retouching, we recommend that all must be done by authorized technicians O.M.S.

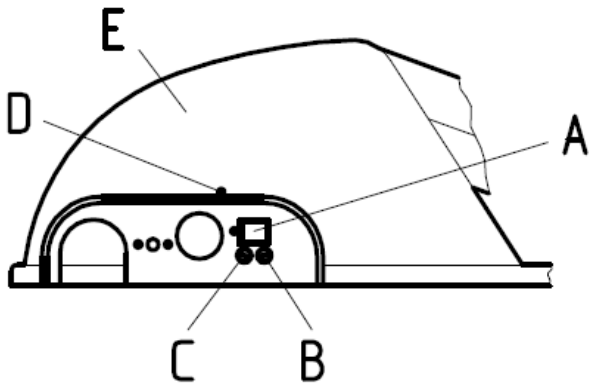
O.M.S. will provide on request all wiring diagrams, list of components, descriptions, calibration instructions, or other information that assist the authorized technicians O.M.S. in the repair of the device.

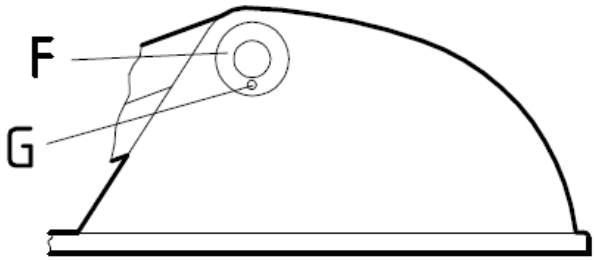
EXTRAORDINARY MANTAINENCE			
Activities	**Frequency**	**Who makes it?**	**Notes/ References**
Fuse Replacement	When necessary	Trained operator	Refer to the technical documentation
Anomaly, malfunction, or downtime	When necessary	Trained operator	Refer to the technical documentation

6.4.1. FUSE REPLACEMET

DANGER

Before to replace a fuse, is needed find the reason why is blown up , replace the fuse just when the problem has been fixed. The new fuse has to be the technical features as the replaced one, indicated on the electrical diagram of the dental unit.





The fuse are placed on the baseplate of the chair, general fuse (B and C, picture above), can be easyly replaced without open a covers, before to replace the fuse, make sure that main power switch (A picture above) shall be off. More fuse are placed on the Power supply PCB.

B. General Power of the Armchair 6.3AT, 230 Vac
C. Transformer power supply 4.0 AT, 230 Vac

DANGER

The main power switch cut-off the device from the electrical network, Do not make any servicing on the unit while the power switch is on.

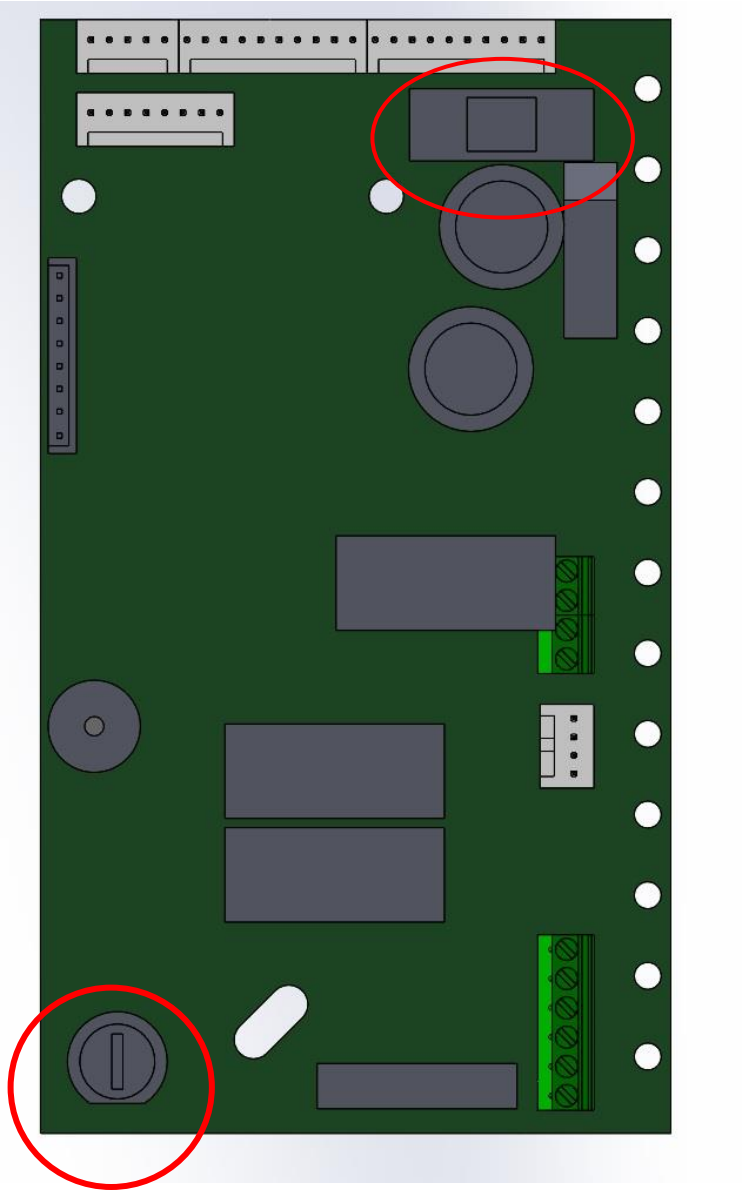
A series of spare fuses supplied by O.M.S. are located inside the accessory box.

There are more fuses inside the cover,

To remove the cover remove the screws (D) and (G) , remove the cover (F), which covering the screw (G) then pull the cover up

Electronica PCB Chair movements.

F1 10AT, 32 Vdc



DANGER

The replacement of the fuses must done by an authorized technician O.M.S.

7. **TECHNICAL INSTRUCTIONS FOR INSTALLATION**

7.1. **PACKING**

The contents of the delivery package are as follow, and the weight is 180Kg

- Patient Chair
- Fixing screws patiente chair
- Right armrest (delivery in the case of a specific request to the order)
- Suction system devices (delivery in the case of a specific request to the order)
- User Manual, wiring diagrams, warranty information

Each box has a mark showing, the order confirmation number, the device model.

7.2. **INSTALLATION**

1. Unpack and place the different unit components to one side for ease of access and installation.
2. Connect the cuspidor to chiar.
3. The floor must be straight within 1%, however you may have to adjut the chair using the support of the chair.
4. Fix the chair on the floor using the two expansion anchors and screw (supplied).
5. Connect the unit to the electrical network, then place the cover.
6. Connect the ground cables to the screw marked with the earth symbol.
7. Place the headrest and right armrest.

7.3. POST INTALLLATION CHECK

1. After install the unit, carry out the all relevant checking, describe on “INSTALLATION AND INSPECTION REPORT”, as well as carry out the following check list.

- ❑ Check the main air and water connection
- ❑ Check the drain and suction connections
- ❑ Check the mains voltage cable and gounding connections
- ❑ Adjust the internal air and water pressures.
- ❑ Adjust the bowl and rinse & cup fill water flow rates
- ❑ Check the operation of the suction system
- ❑ Check the operation of the foot control
- ❑ Check the operation of the suction arm
- ❑ Check the operation of the safety switches
- ❑ Drive the chair lift motor
- ❑ Driver the backrest motor

DANGER

The main switch realizes the insulation of the appliance from the direct power supply, before making any operation inside the appliance make sure that the switch is off.

8. INFORMATION RELATING TO ELECTROMAGNETIC COMPATIBILITY IN ACCORDANCE WITH IEC 600601-1-2

The device is designed and manufactured in compliance with the standard CEI en 60601-1-2 (Electro-medical apparatus, collateral standard: electromagnetic compatibility) and therefore has a degree of immunity and emissions such as not to create dangerous interference with devices complying with the same norm. Warning: Interference with electrical equipment that has a level of emission or immunity that does not conform to CEI en 60601-1-2 may occur. In such cases, these equipment should not be used at the same time with O.M.S. equipment; If the device is in a stalemate due to such interference, it is sufficient to turn it off and on again.

In the presence of particular holes in the supply voltage, it is possible that the micromotor has a momentary drop in speed that does not affect the safety and performance of the same, the duration of the event is limited to the duration of the voltage drop.

Manufacturer's Guide and declaration – Electromagnetic emissions		
The device is intended to work in the electromagnetic environment below specified. The customer or user of the device must ensure that it is used in this environment.		
Emission test	**Complience**	**Electromagnetic Environment-Guide**
Emission RF CISPR 11	Gruop 1	The device uses RF energy only for its internal operation. As a result, its RF emissions are very low and probably does not cause any interference in the electronic devices located nearby.
Emission RF CISPR 11	Class B	The device is suitable for use in all environments, including domestic ones and those connected directly to a low-voltage public network power supply that feeds buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Fluctuations voltage emissions /flicker IEC 61000-3-3	In complience	

Manufacturer's Guide and declaration – Electromagnetic immunity			
The device is intended to work in the electromagnetic environment below specified. The customer or user of the device must ensure that it is used in this environment.			
Immunity test	**Test level IEC 60601**	**Level of Compliance**	**Electromagnetic Environment-Guide**
Electrostatic discharge (ESD) IEC 61000-4-2	contact ± 6 kV air ± 8 kV	± 6 kV ± 8 kV	The floors must be in wood, concrete or ceramic tiles. If the floors are covered with synthetic material, the relative humidity should be at least 30%.
Transients/rapid electrical pulse sequence *(Burst)* IEC 61000-4-4	± 2 kV For power lines ± 1 kV For input/output lines	± 2 kV ± 1 kV	The quality of the main voltage should be that of a typical commercial or hospital environment.
Surge *(Surge)* IEC 61000-4-5	± 1 kV between the phases ± 2 kV between phases and ground	± 1 kV ± 2 kV	The quality of the mains voltage should be that of a typical commercial or hospital environment
Voltage gaps, short interruptions and voltage variations on the input lines	<5 % U_T	<5 % U_T	The quality of the mains voltage should be that of a typical commercial or hospital environment. If the user of the device requires continuous operation during the

dell'alimentazione IEC 61000-4-11	(>95 % hole in U_T per 0.5 cycle) 40 % U_T (60 % hole in U_T per 5 cicli) 70 % U_T (30 % hole in U_T per 20 cicli) <5 % U_T (>95 % hole in U_T per 5S)	0.5 cycle (10mS) 40 % U_T 5 cycle (100mS) 70 % U_T 20 cycle (500mS) <5 % U_T 5S	interruption of the mains voltage, it is recommended to power the device with a UPS or with batteries.
magnetic field at Network frequency (50/60 Hz) IEC 61000-4-8	3 A/m	3 A/m	The magnetic fields at network frequency should have characteristic levels of a typical locality in a environment such as commercial or hospital.
NOTE: U_T is the network tention in c.a. before the application of test level.			

Manufacturer's Guide and declaration – Electromagnetic immunity			
The device is intended to work in the electromagnetic environment below specified. The customer or the user of the device must ensure that it is used in this environment.			
Immunity test	**Level test IEC 60601**	**Level of Compliance**	**Electromagnetic Environment-Guide**
			Portable and mobile RF communication equipment should not be used near any part of the device including cables, the recommended separation distance calculated with the equation applicable to the frequency of the transmitter. Recommended Distance Separation: *d = 1,17 √P* *d = 1,17 √P* from 80 MHz to 800 MHz *d = 2,34 √P* from 800 MHz to 2,5 GHz
RF conduct IEC 61000-4-6	3 Veff from 150 kHz to 80 MHz	3 V	where P is the maximum rated output power of the transmitter in Watts (W) according to the manufacturer of the transmitter and D is the recommended separation distance, in meters (m).
RF irradiata IEC 61000-4-3	3 V/m from 80 MHz to 2,5 GHz	3 V/m	The field intensities of fixed RF transmitters, as determined by an electromagnetic investigation on site A should be below the level of compliance for each frequency range B. Interference may occur near devices marked with the following

			symbol: 

Note 1: At 80 MHz and 800 MHz, the separation distance for the highest frequency range applies.

Note 2: These guidelines are not applicable in all situations. Electromagnetic propagation is influenced by the absorption and reflection of structures, objects and people.

a The intensities fiels for stationary transmitters, such as the base stations for radio telephones (cellular and cordless) and terrestrial radiomobiles, radioamateur devices, transmitters in AM/FM and TV transmitters can not be foreseen theoretically with precision. An electromagnetic survey of the site should be considered to evaluate an electromagnetic environment caused by fixed RF transmitters. If the field strength measured in the place do to the device is used exceeds the applicable level of compliance above, the operation of the device should be observed. If you notice abnormal performance, additional measures may be required as a different orientation or position of the device

b The field strength in the frequency range from 150 khz to 80 MHz should be less than 3 V/M

Recommended distances separation between portable and mobile radiocommunication devices.

The device is intended to operate in a environment electromagnetic space where RF radiated disturbances are under control. The customer or the user of the device can help prevent electromagnetic interference by ensuring a minimum distance between mobile and portable RF communication devices (transmitters) and the device as recommended, in relation to the maximum output power of the radio equipment.

Maximum output power of the specified transmitter **W**	**Separation distance for transmitter frequency** **m**		
	From 150 kHz a to MHz *d = 1,17 √P*	**from 80 MHz to 800 MHz** *d = 1,17 √P*	**from 800 MHz to 2,5 GHz** *d = 2,34 √P*
0,01	0,12	0,12	0,24
0,1	0,37	0,37	0,74
1	1,17	1,17	2,34
10	3,70	3,70	7,40
100	11,70	11,70	23,40

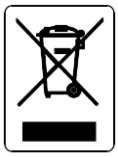
For the transmitters specified for maximum output power not shown above, the recommended separation distance d in meters (m) can be calculated using the equation applicable to the frequency of the transmitter, where p is the maximum rated output power of the transmitter in Watts (W) according to the manufacturer of the transmitter

NOTE 1: to 80 MHz and 800 MHz, applies the separation distance for the highest frequency range.

NOTE 2: These guidelines may not be applied in all situations. Electromagnetic propagation is influenced by the absorption and reflection of structures, objects and people.

9. **DISPOSING OF THE DEVICE AT THE END OF LIFE**

European Directives 2012/19/UE electrical and electronic on waste equipment (RAEE).



The symbol of the crossed bin shown on the equipment or its packaging indicates that the product at the end of its useful life must be collected separately from the other waste. The user must, therefore, confer the equipment reached at the end of the life of the appropriate waste collection centres of electronic and electrotechnical, or return it to the retailer at the time of purchase of a new equipment of equivalent type, in reason of one by one.

The appropriate separate collection for the subsequent start of the equipment disposed of recycling, treatment and environmentally compatible disposal helps to avoid possible negative effects on the environment and health and promotes the reuse and/or recycling of the materials of which the equipment is composed.

10. **REPORTING ACCIDENTS TO PEOPLE**

CUSTOMER NAME _____
ADDRESS _____
SERIAL NUMBER OF DEVICE _____
ACCIDENT _____
_____
_____
DAMAGE TO THE PATIENTS OR USER HEALTH _____
_____
_____
Date_____
Signature_____

Space reserved for the company (Quality assurance)
Possible cause of the accident:

- ❑ Malfunction
- ❑ deterioration of characteristics and/or performance
- Shortage of operating instructions

Other_____
Damage _____
_____
Proposed operational decisions_____
_____
Date_____
Signature_____

Space reserved for the Company (Directorate General)
Operational decisions_____
_____
_____
_____
_____
Corrective actions_____
_____
_____
_____
_____
Date_____
Signature_____

In case of an accident send the form to O.M.S.. with the maximum priority.

O.M.S. spa - Officine Meccaniche Specializzate
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