



Safe line
#worksafely

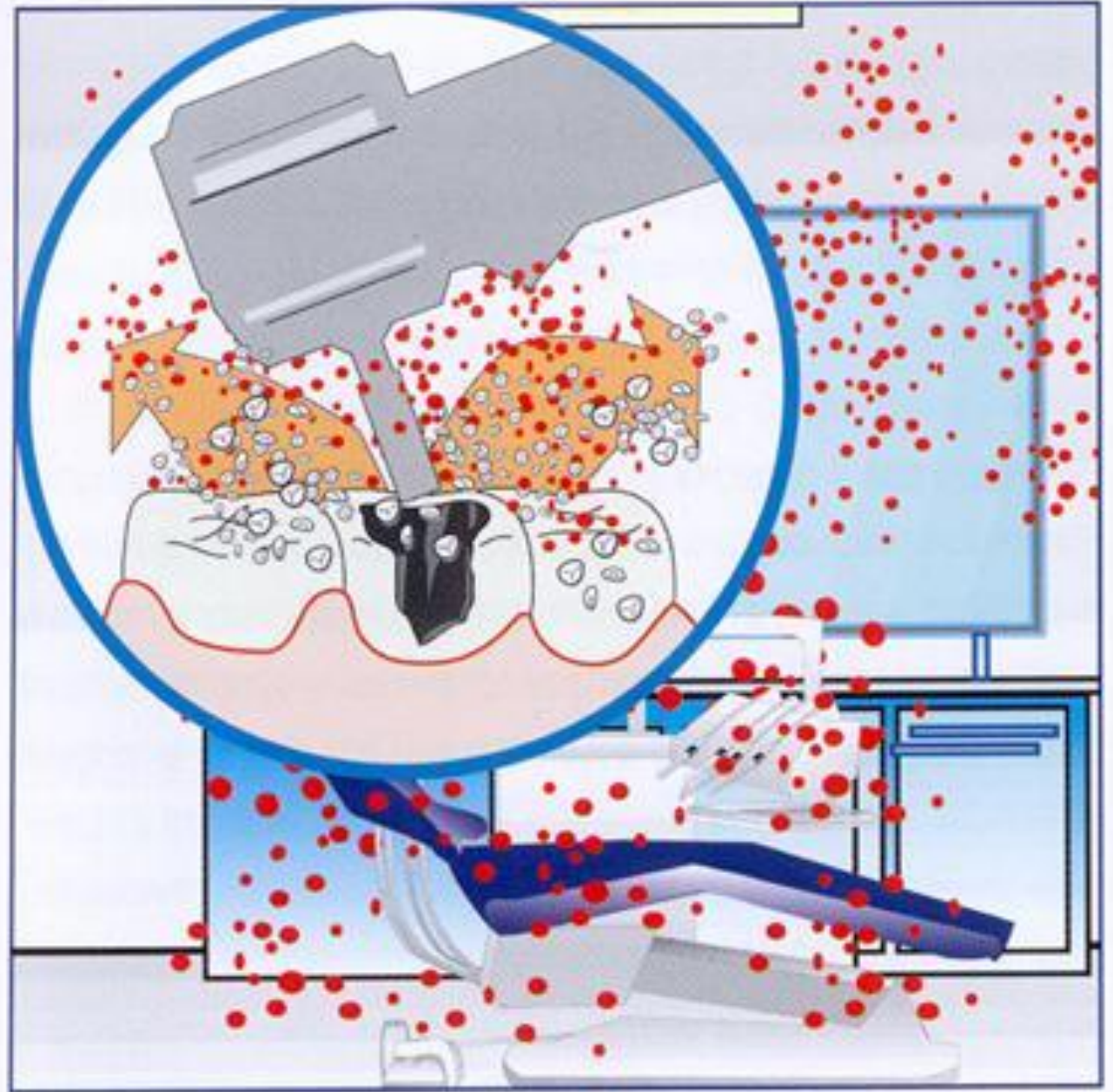
SAFETY SOLUTIONS FOR DENTAL SECTOR

SKUDO

**A DEVICE PROTECTING FROM AEROSOL FLOW
DURING DENTIST PRATICE**



It was known for a long time that dentistry was a profession at risk of exposure to countless microbes





**HIV, hepatitis C, prion proteins, Ebola
and now the new Sars-CoV2.**



Invisible enemies





How to fight them ?

Various systems currently exist, however, all of them may have limits of intervention in the oral cavity, of operation, of vision of the operating field or of concentration due to noise, causing an increase in stress both for the operator and the patient





Hence the need for a non-invasive, silent protection system capable of guaranteeing the operator maximum visibility and operability and the patient maximum comfort.





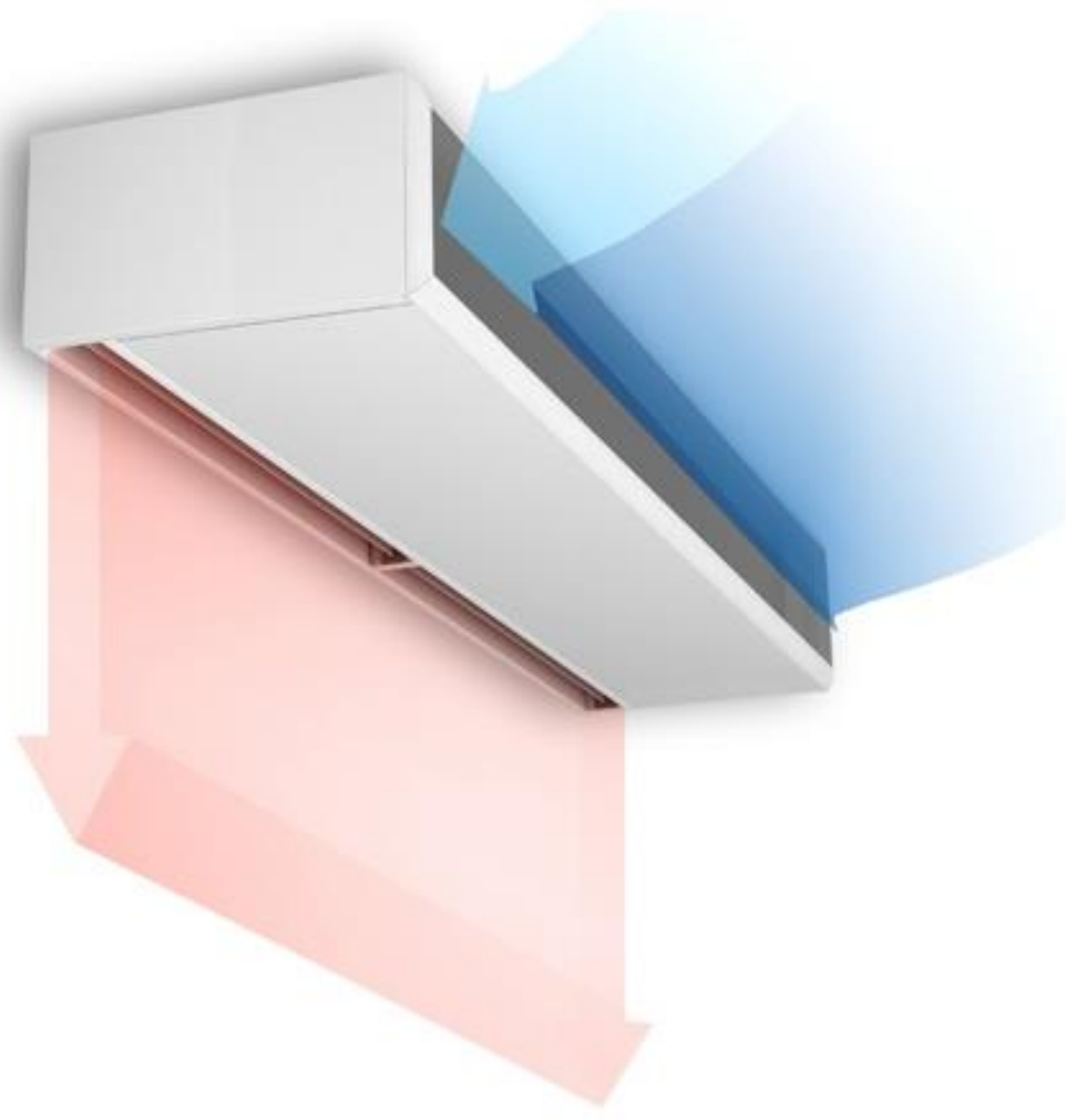
Tecnomed Italia responds with SKUDO™: a practical, unique, ergonomic and effective solution to achieve maximum protection from aerosols





How does it works?

Is based on the principle
of Air curtain





How does it works?

AIR CURTAIN

the same device that we find in commercial or public establishments without an entrance door and which allow to separate the internal atmospheric





How does it work?

Skudo uses the same
functioning





How does it work?

A continuous flow of compressed air comes out of the upper part, from the lower part air is aspirated using the aspiration of dental unit



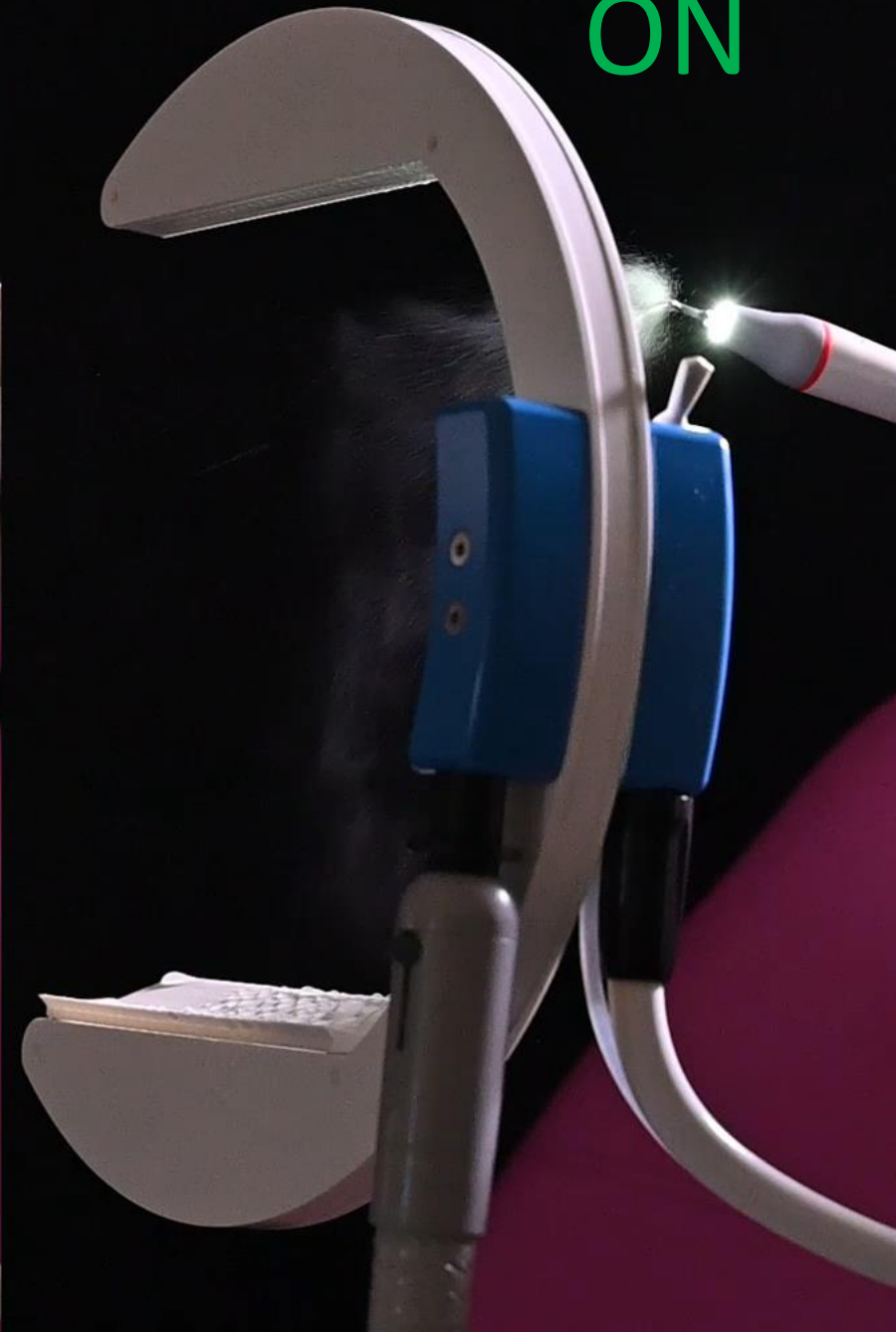


By creating a
real invisible
Air shield

OFF



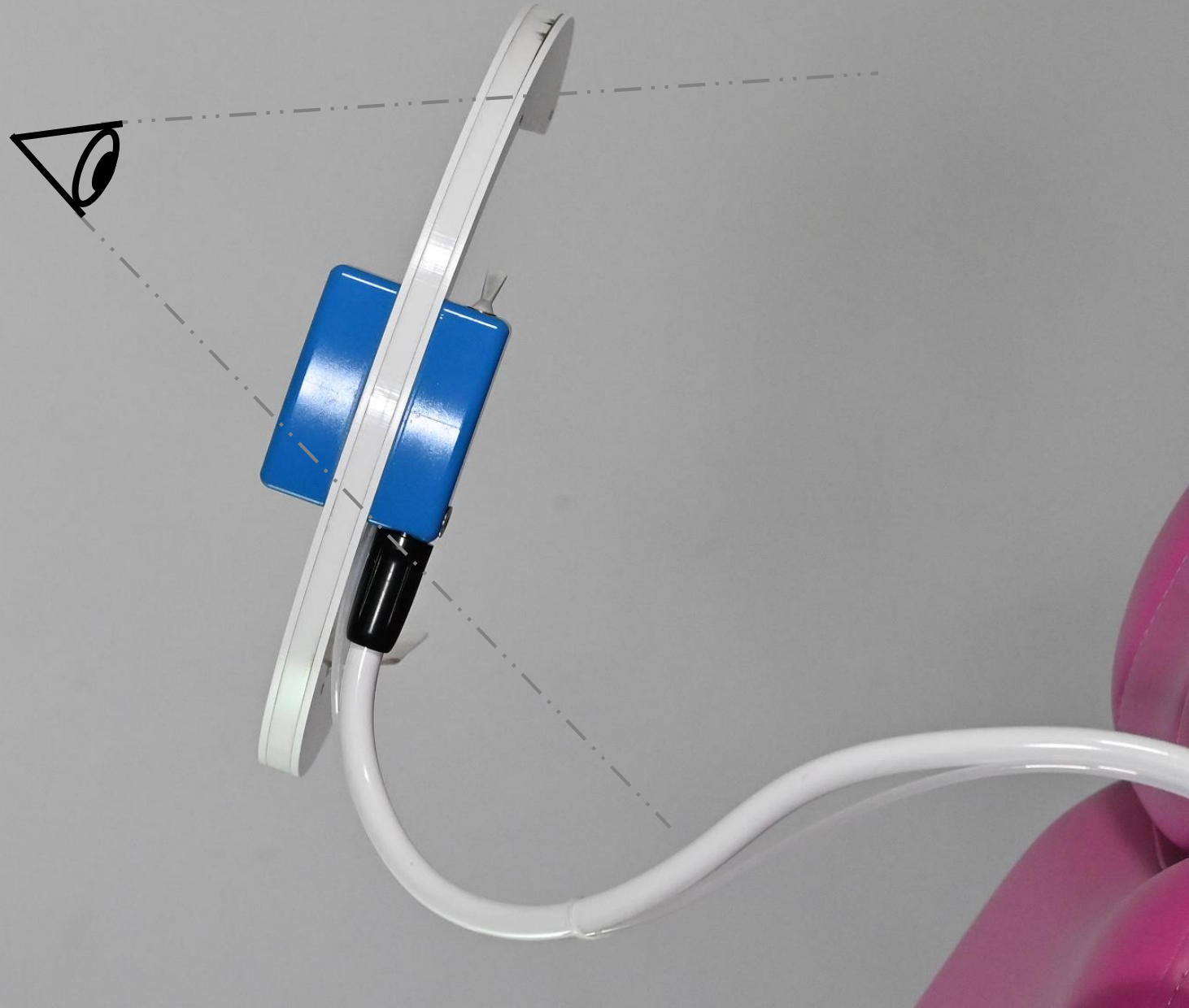
ON





Field of view

An ergonomic solution too, which doesn't obstruct the field of view.





Silent, only 12 db

A silent system, which guarantees the **concentration** during the performance.

An acoustic **favorable** environment, which positively affects on the patient's psychological condition.

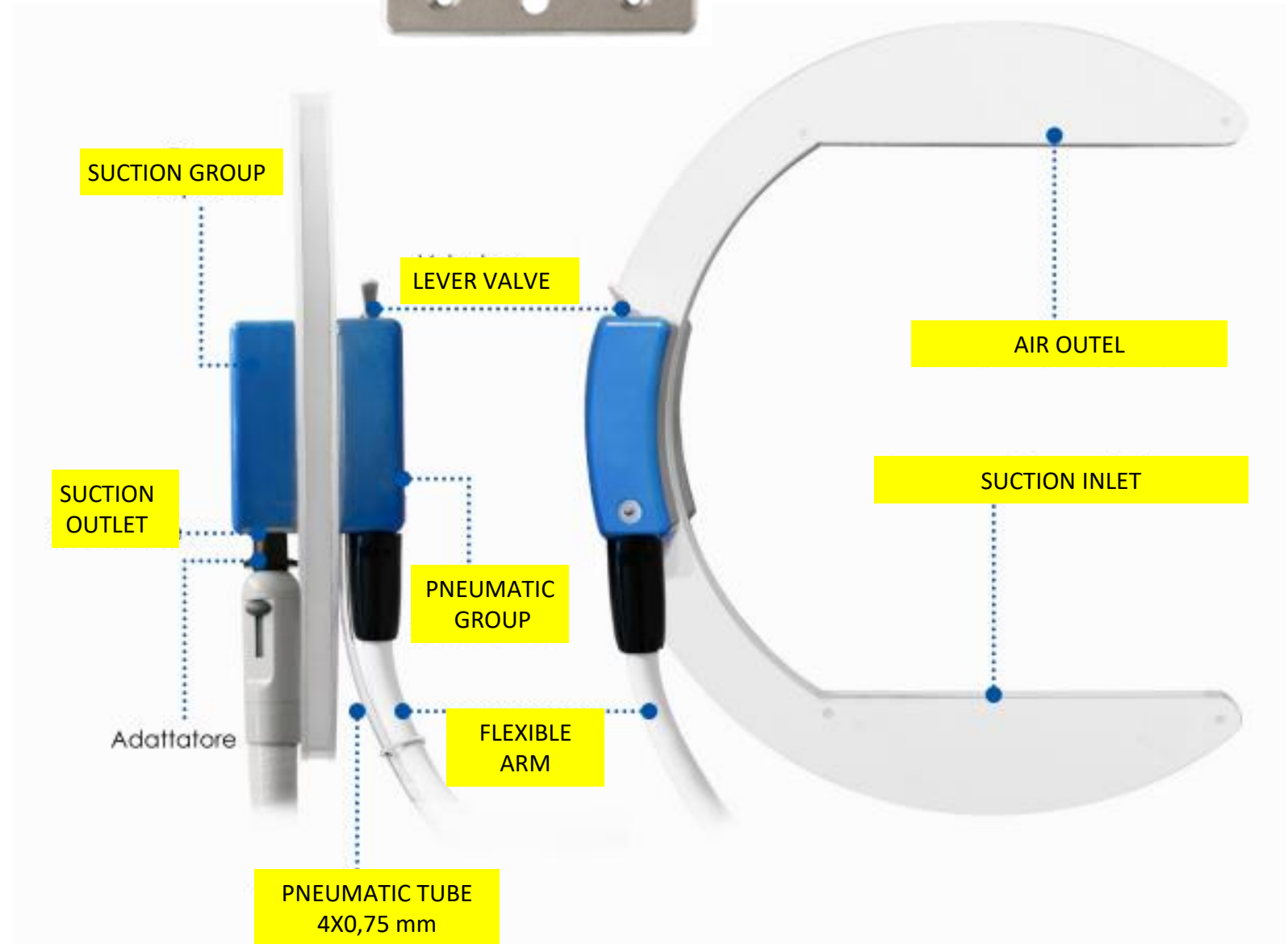
12 decibels!





Profile

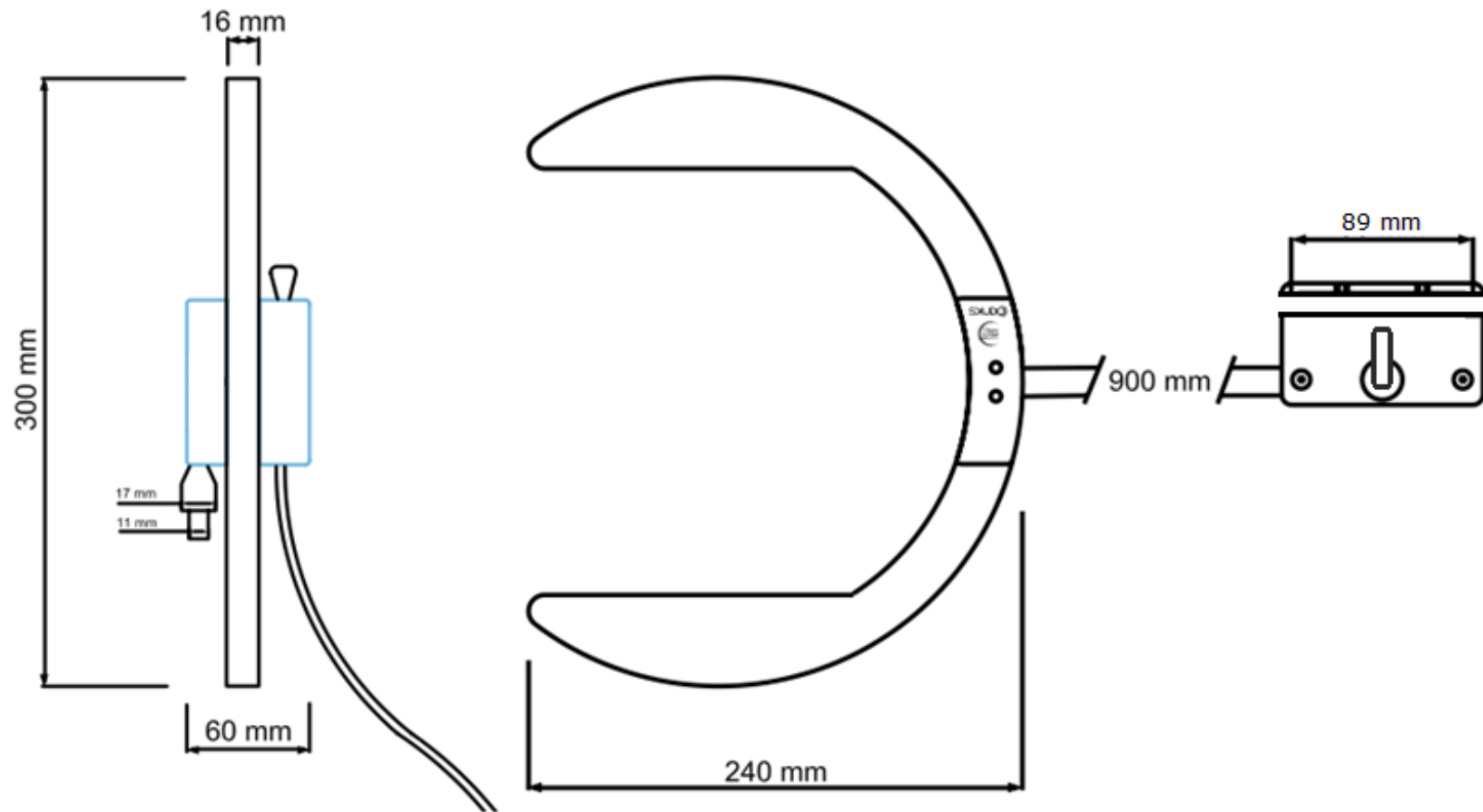
Testa arched
plexiglass anchored
on a flexible rotating
arm keyed on a collar
(slot) fixed to the
head rest of the
dental unit





Size

The arch has a diameter of 300 mm, the arm is about 900 mm length



PACKAGING SIZE: 400X400X30 mm





Packing list

1 - Main head

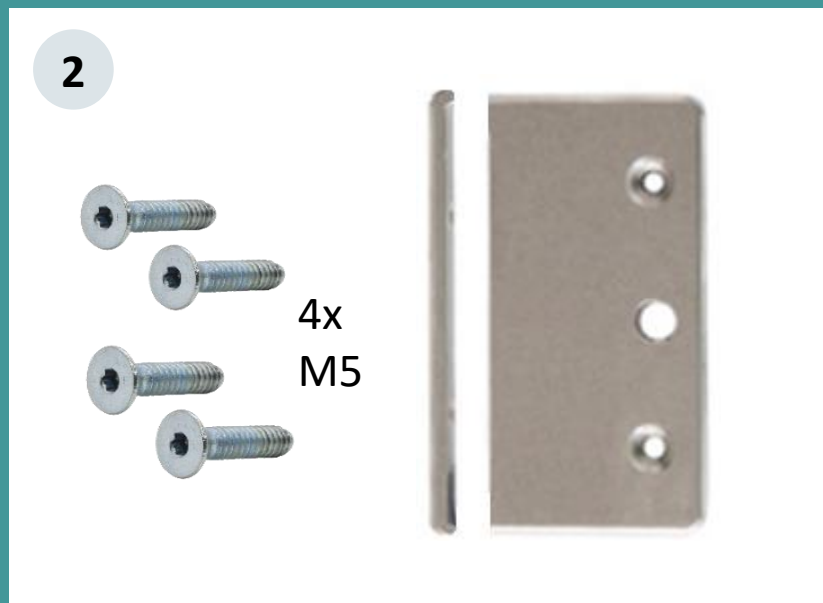
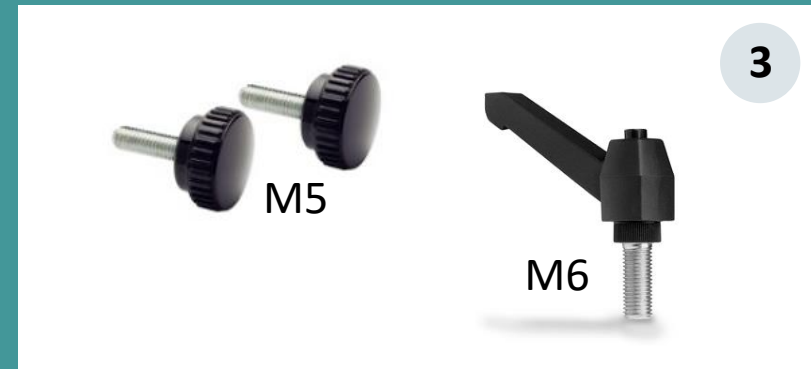
2 - Collar and knobs

3 – Screws for collar

4 – Quick air connector

5 - Adapters aspiration

6 - Conveyor aspiration

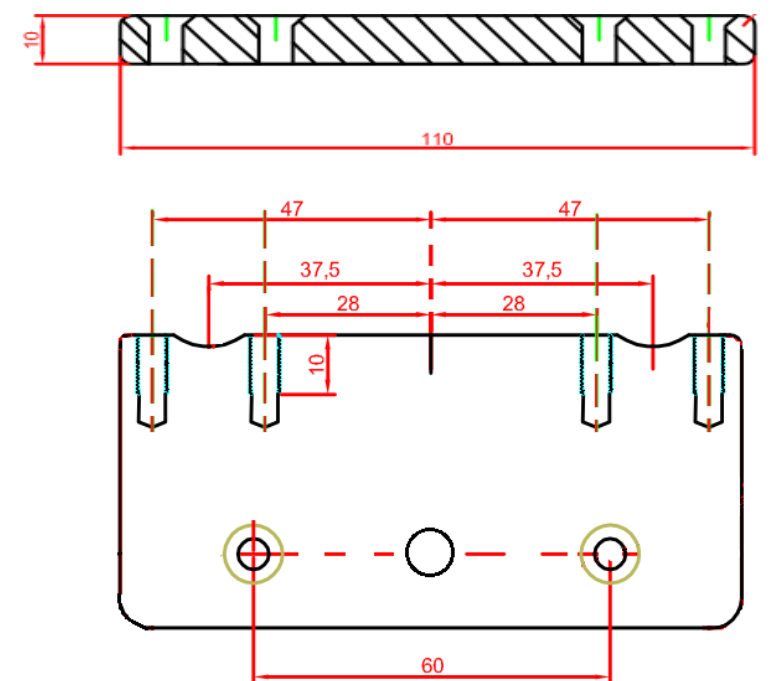
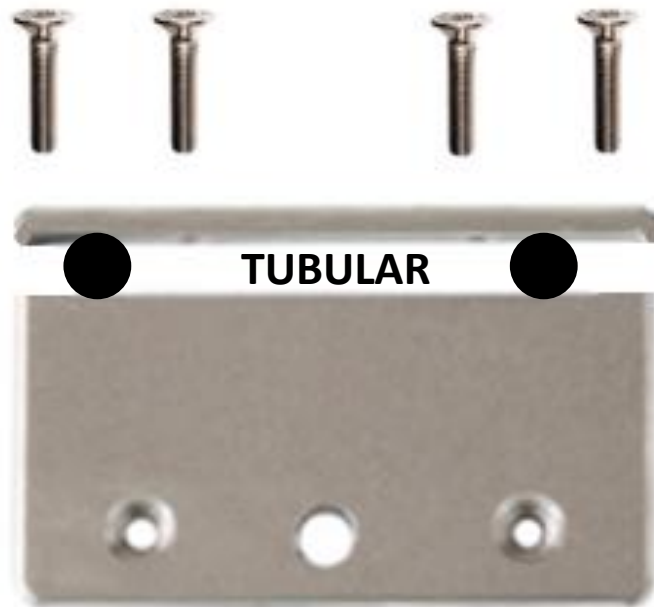




Universal collar assembly

The fixing system collar can be mounted to flat or tubular rods of maximum size 89x13 mm

It is possible to request a collar with customized dimensions





Universal collar assembly



headrest metal rod - narrow size

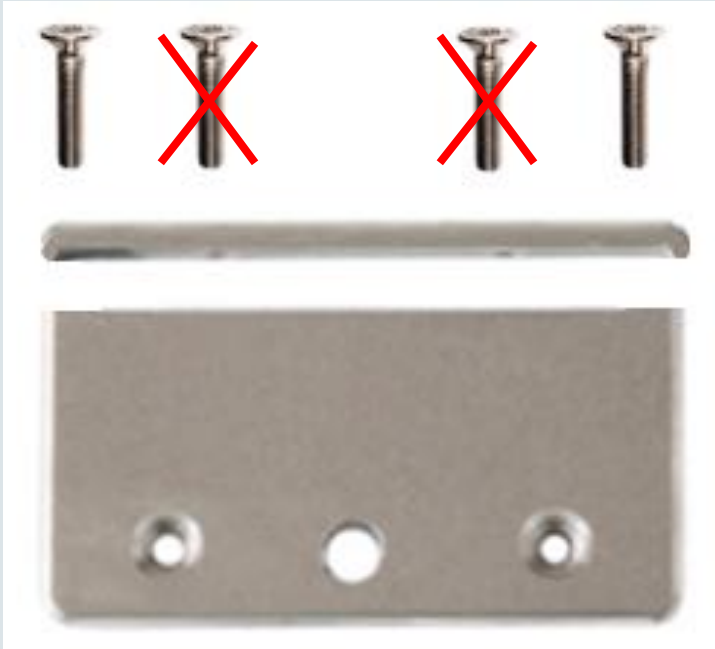


Screw in the collar into the headrest rod with 2 or 4 screws according to the type of headrest rod



Universal collar assembly

headrest metal rod - wide size

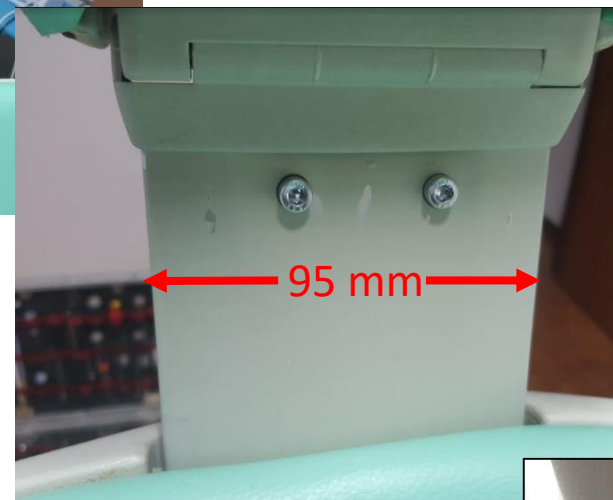


Screw in the collar into the headrest rod with 2 screws



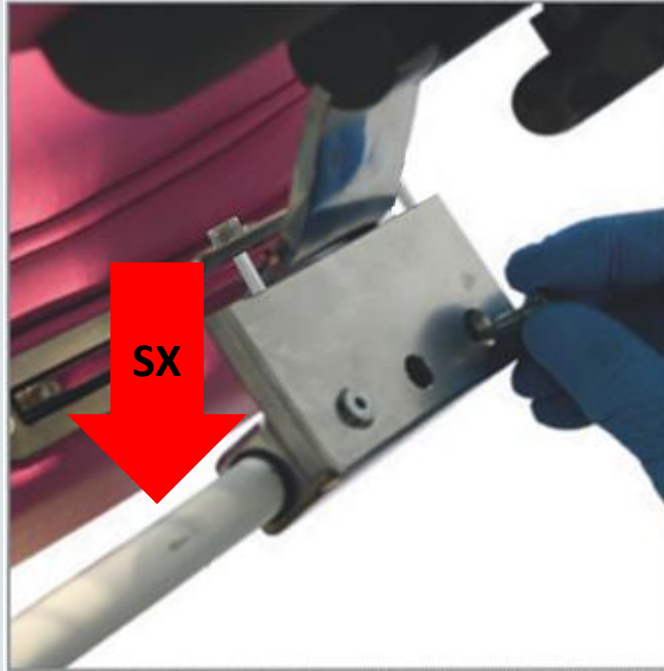
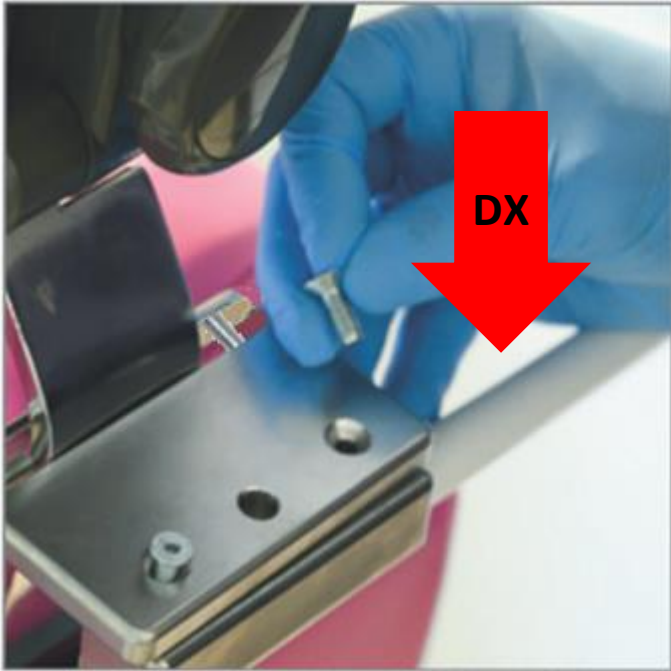
Exceptions collar assembly

It's possible mount the skudo on dental units with big rod or motorized headrests. Download qr-code file





Arm fixing



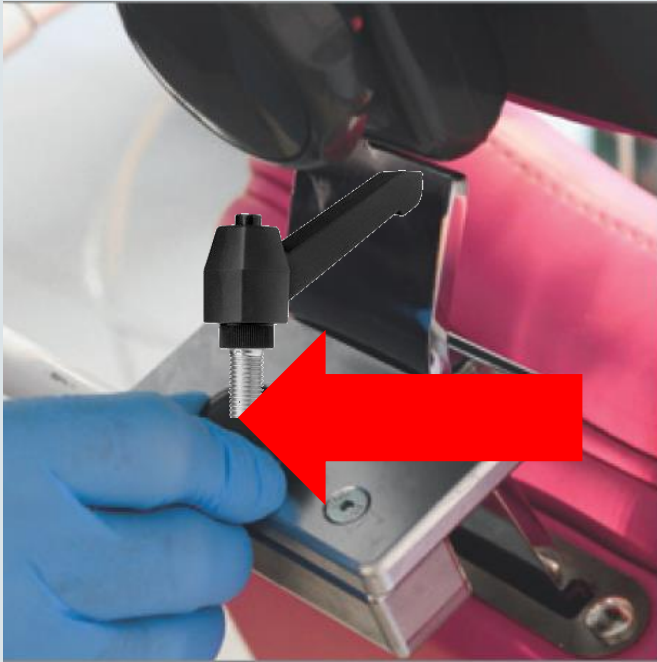
After listening to the doctor's need , mount the arm to collar on left or right. Use M5x14 countersunk screws



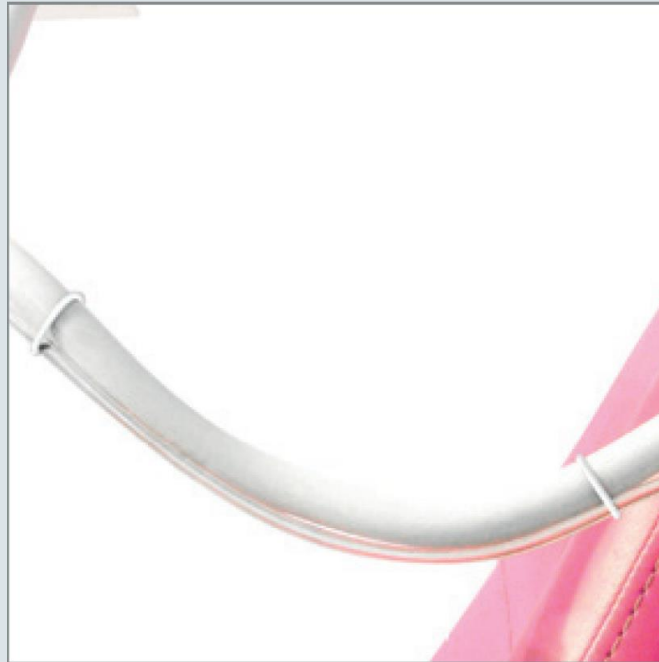
If in the medical practice need continuos inversion position, mount 2 M5 knobs instead the 2 countersunk screws



Arm fixing



Screw in the locking knob M6



Fix the pneumatic tube to the arm using the o-rings



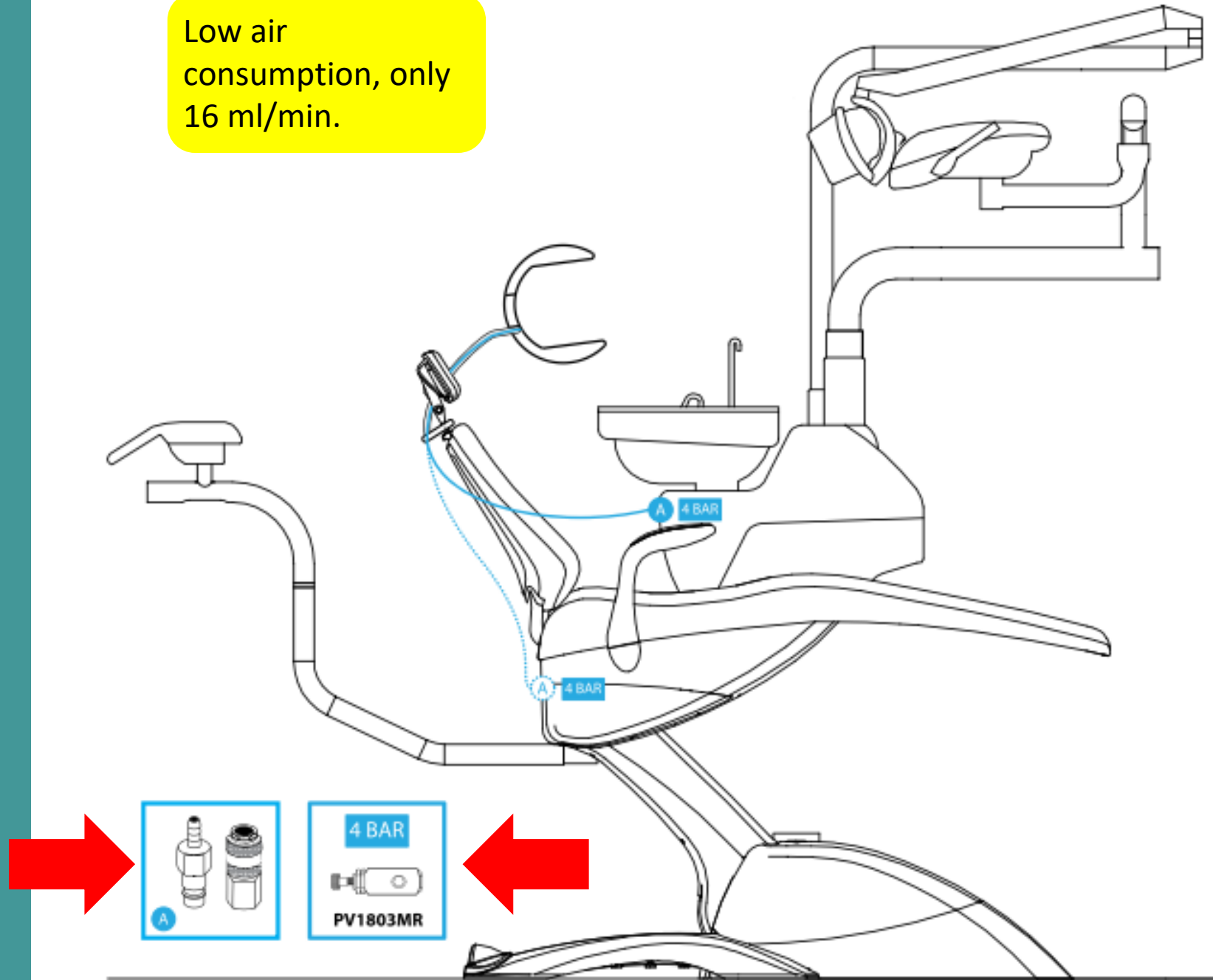


Standard supply connection

AIR

- Fix the quick connector 1/8 female in equipment on the group water or behind the armchair
- Connect the quick connector to the air supply of dental unit. Max pressure 4 bar. If there is not a pressure regulator you can buy from us. Item code PV1803MR
- Insert the male quick coupling into the 4 mm feeding tube and in turn into the quick coupling on the dental unit

Low air consumption, only 16 ml/min.

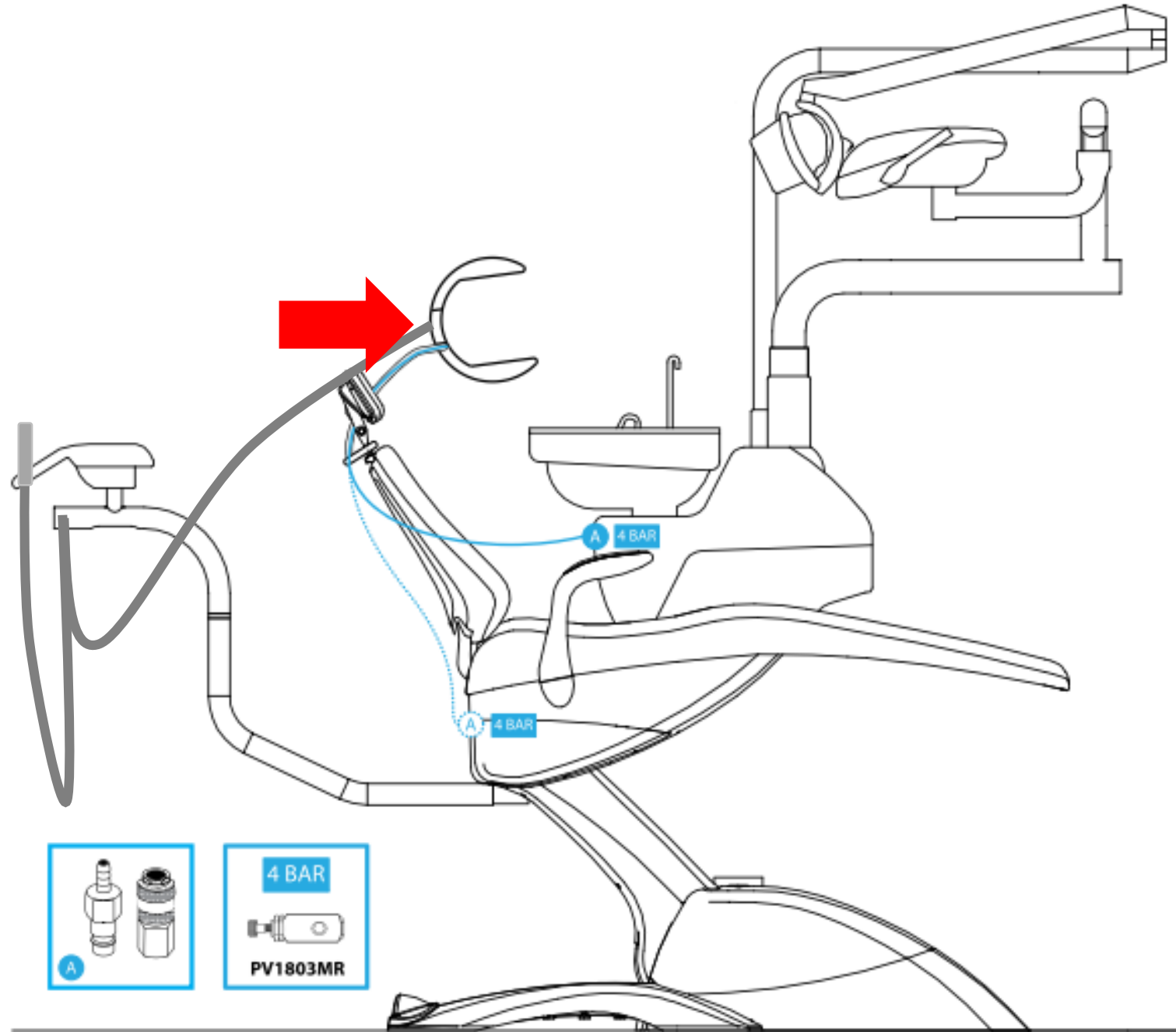




Standard supply
connection

ASPIRATION

- Fix cannula in skudo, aspiration side

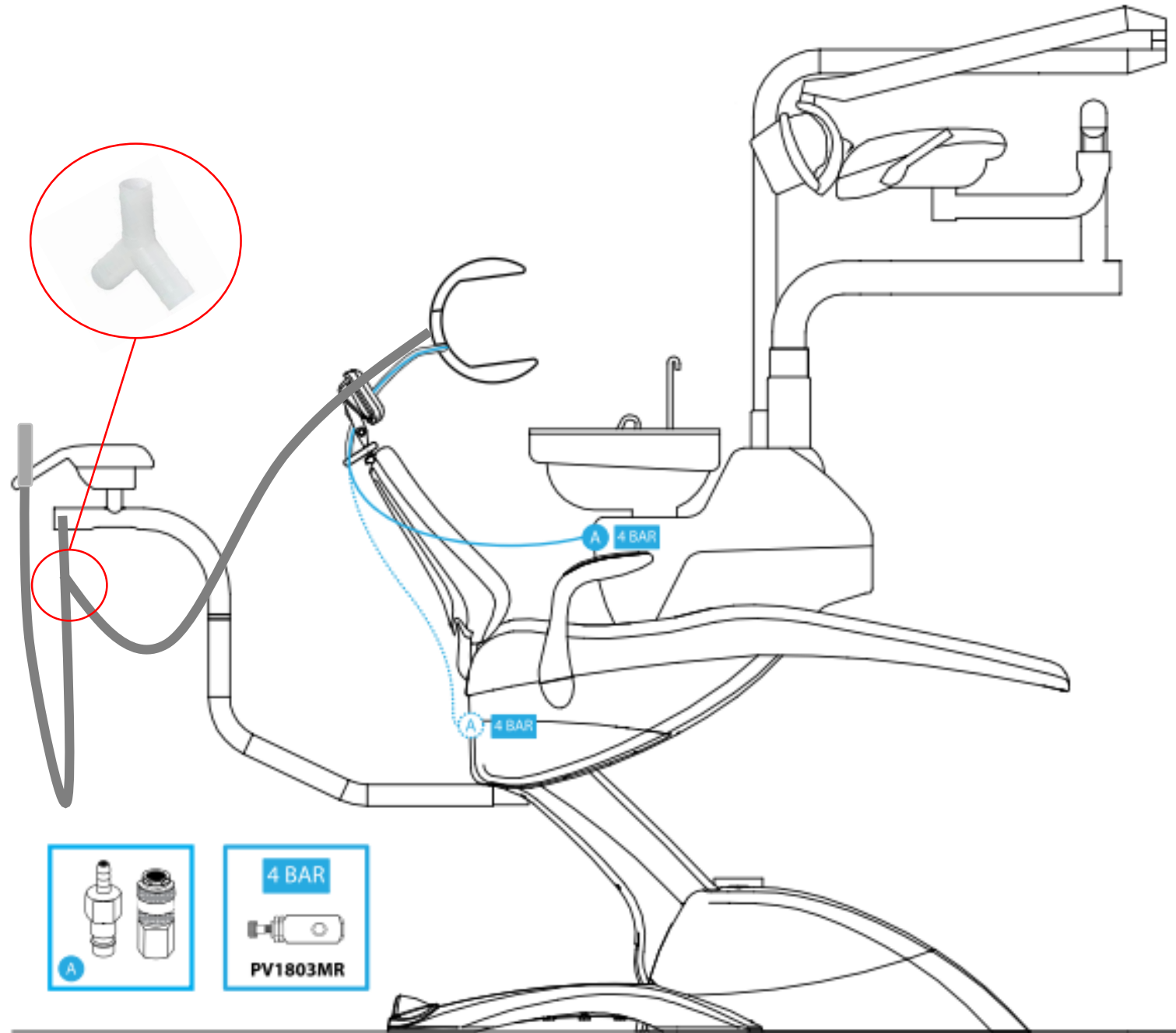




Standard supply
connection

ASPIRATION

For those who work with
double suction or have
only one suction tube in
the dental unit, it's
necessary to instal and
additional suction using
«y» adapter





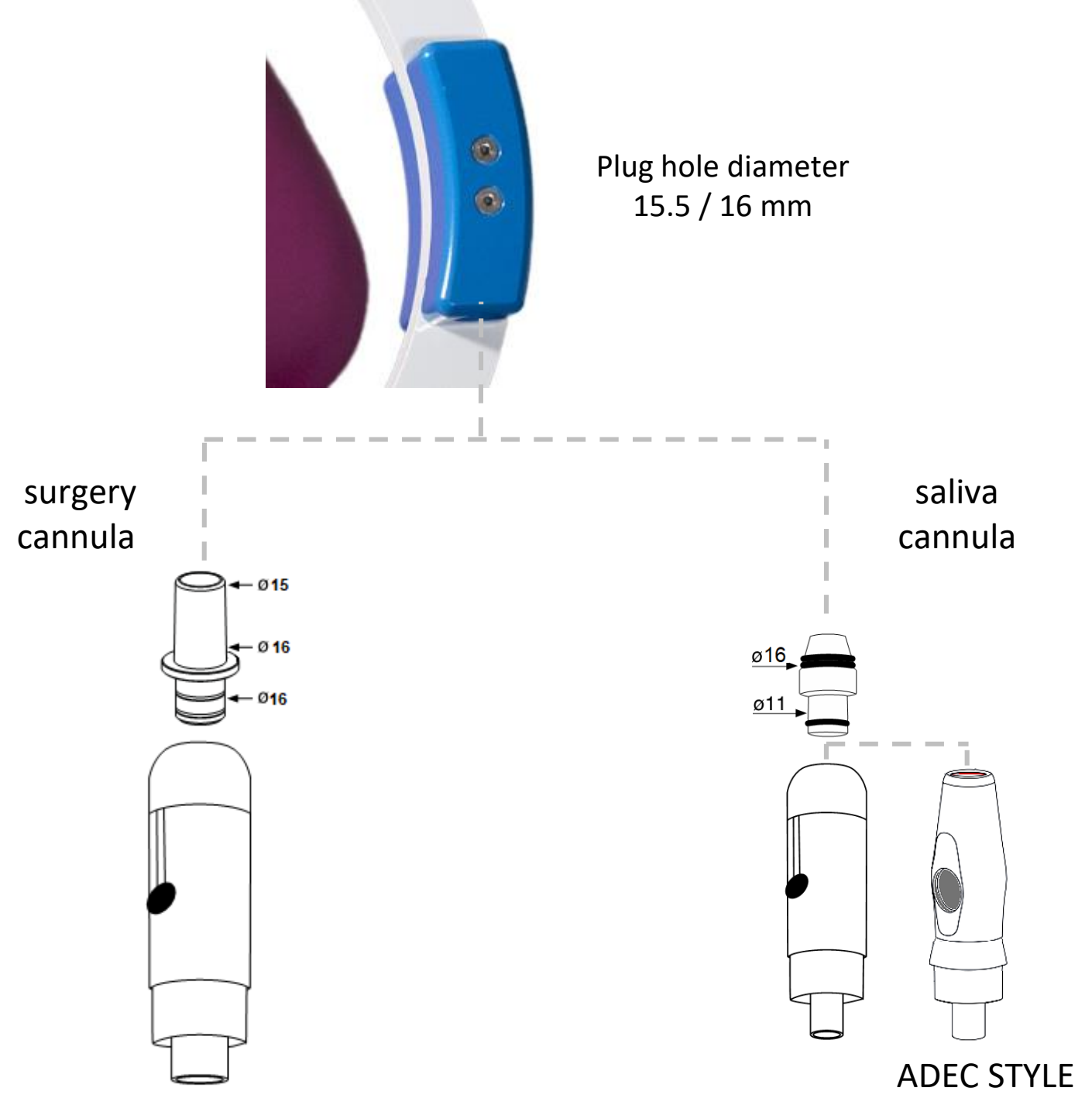
Standard supply connection

ASPIRATION

- Fix cannula in skudo, aspiration side.

The surgical cannula or the saliva aspirator cannula can be attached to the SKUDO using the adapters supplied.

Optimal efficiency is achieved by using the surgical cannula.

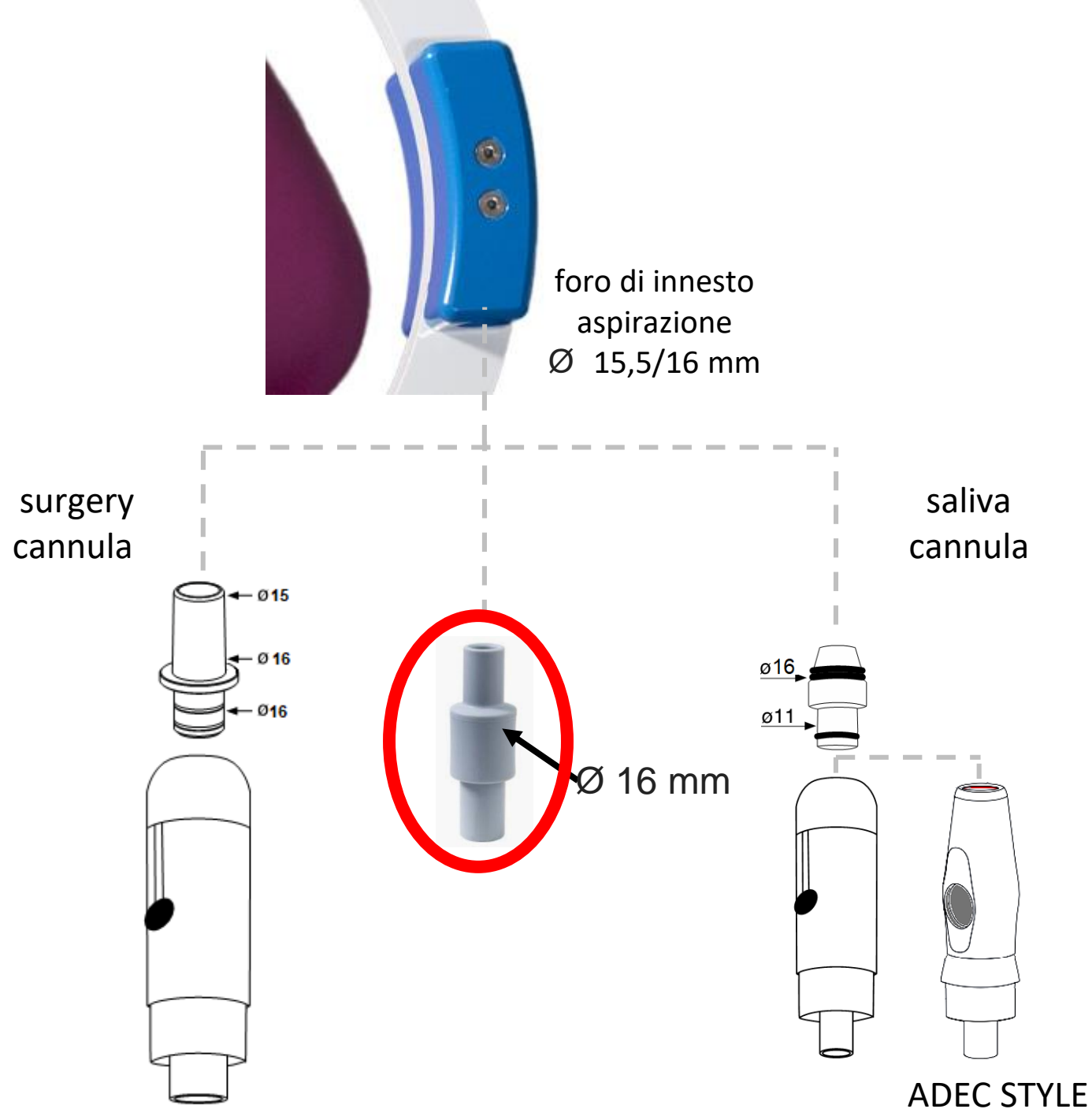




Standard supply
connection

ASPIRATION

fit also in the Cattani
adaptor



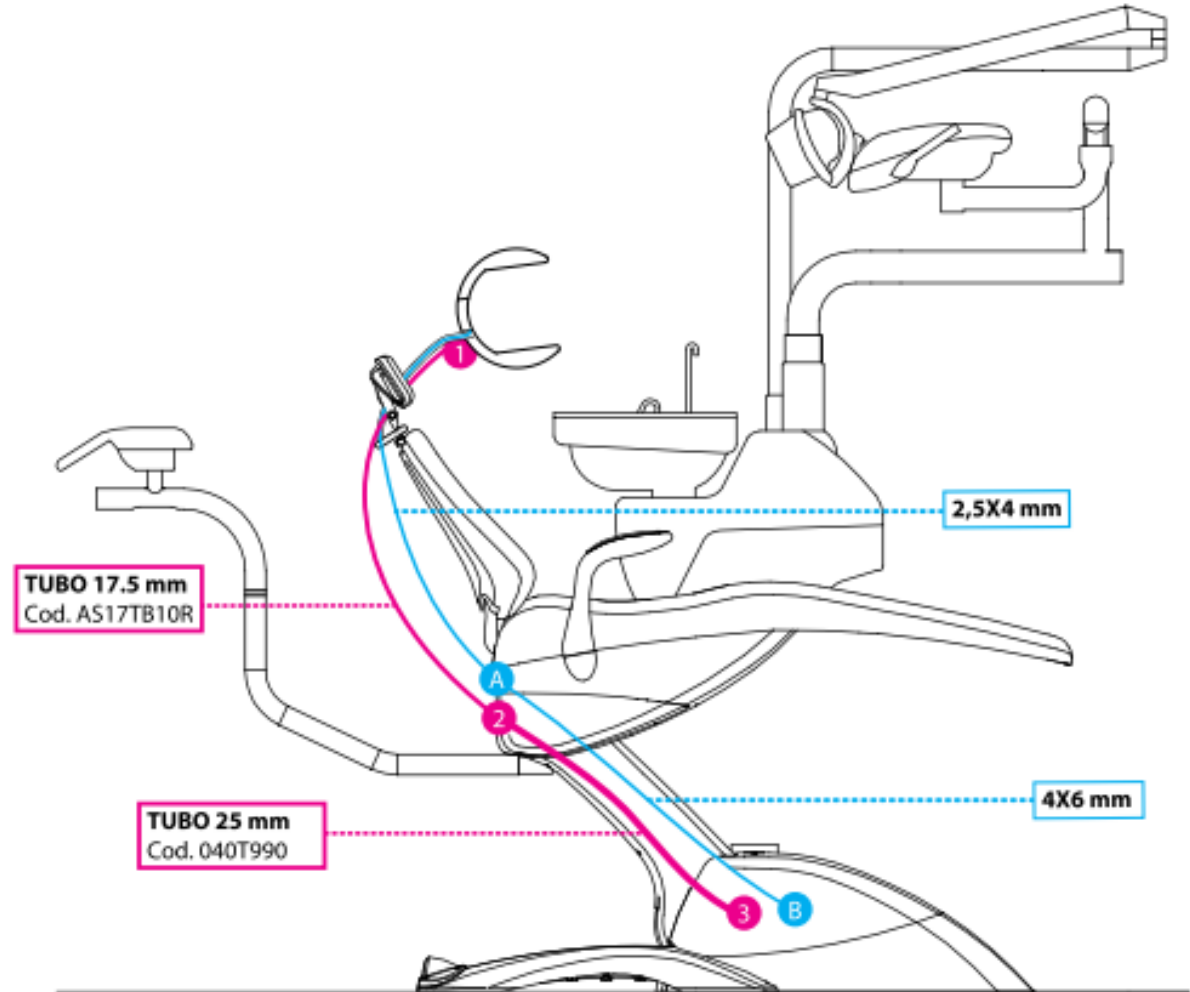


Fixed power supply
connection*

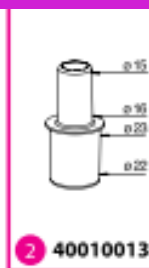
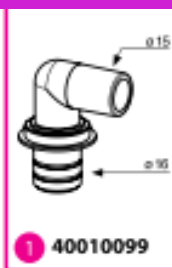
It's possible to install
Skudo with a fixed
suction tube.
Download qr-code file for
pneumatic and electric
manual



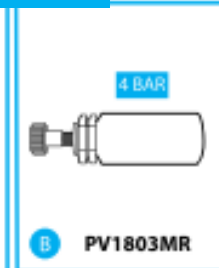
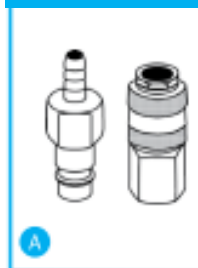
* To technical assistance



ASPIRATION SYSTEM



AIR







Component availability

e-commerce

<https://www.dentalastec.it/eng>

 MY ACCOUNT MY QUOTES MY CART LOG IN

WELCOME TO TECNOMED

 0 ITEMS.

TECNOMED ITALIA SERVICES HOW TO BUY CONTACTS DOWNLOAD GENERAL CONDITIONS

DENTAL UNIT & SURGERY CONFIGURATOR ANTI COVID-19 DEVICES DENTAL EQUIPMENT UNIVERSAL SPARES OUTLET









HOME > UNIVERSAL SPARES

Search by code or description **SEARCH**

PRODUCT CATALOG

- SERVICE EQUIPMENT
- CARBON BRUSHES
- CORDONS
- BEARINGS
- ELECTRIC VALVES
- ROTOR
- BULBS
- O-RING
- PNEUMATICS
- PUSH BUTTON
- VARIOUS SPARE PARTS
- ROTORS FOR CONTRANGLES

Universal spares

| | | | |
|--|---|--|---|
| <p>Service equipment</p>  <p>Subcategories</p> <ul style="list-style-type: none">ReamersService equipmentKeysAdhesivesDynamometerMore in Service equipment ... | <p>Carbon brushes</p>  <p>Subcategories</p> <ul style="list-style-type: none">FaroTecnomedKavoSilfradentNskMore in Carbon brushes ... | <p>Cordons</p>  <p>Subcategories</p> <ul style="list-style-type: none">AccessoriesMicromotorsLaboratory micromotorsSyringesTurbineDental scalers | <p>Bearings</p>  <p>Subcategories</p> <ul style="list-style-type: none">Low speedHigh speed handpiece |
| <p>Electric valves</p>  | <p>Rotor</p>  | <p>Bulbs</p>  | <p>O-ring</p>  |



Component availability

e-commerce

<https://www.dentalastec.it/eng>



Cod: DE5.19

Place selection valve 24 VDC

[Accedi per il prezzo.](#)

CARRELLO

DETTAGLI

Disponibile



Cod: PV1803MR

Reducer for pressure, air,
miniature,female,M5

[Login to see price.](#)

ADD TO CART

SHOW DETAILS



Cod: 040T990

Suction tube, pleated, 25mm
diameter(q.ty multiples 10 mts)

[Login to see price.](#)

ADD TO CART

SHOW DETAILS



Cod: AS17TB10R

Ultraflex-D suction tube, pleated,17m
diameter.10 meters roll

[Login to see price.](#)

ADD TO CART

SHOW DETAILS



Handling

Move the head only
by the handle





Handling





Placement

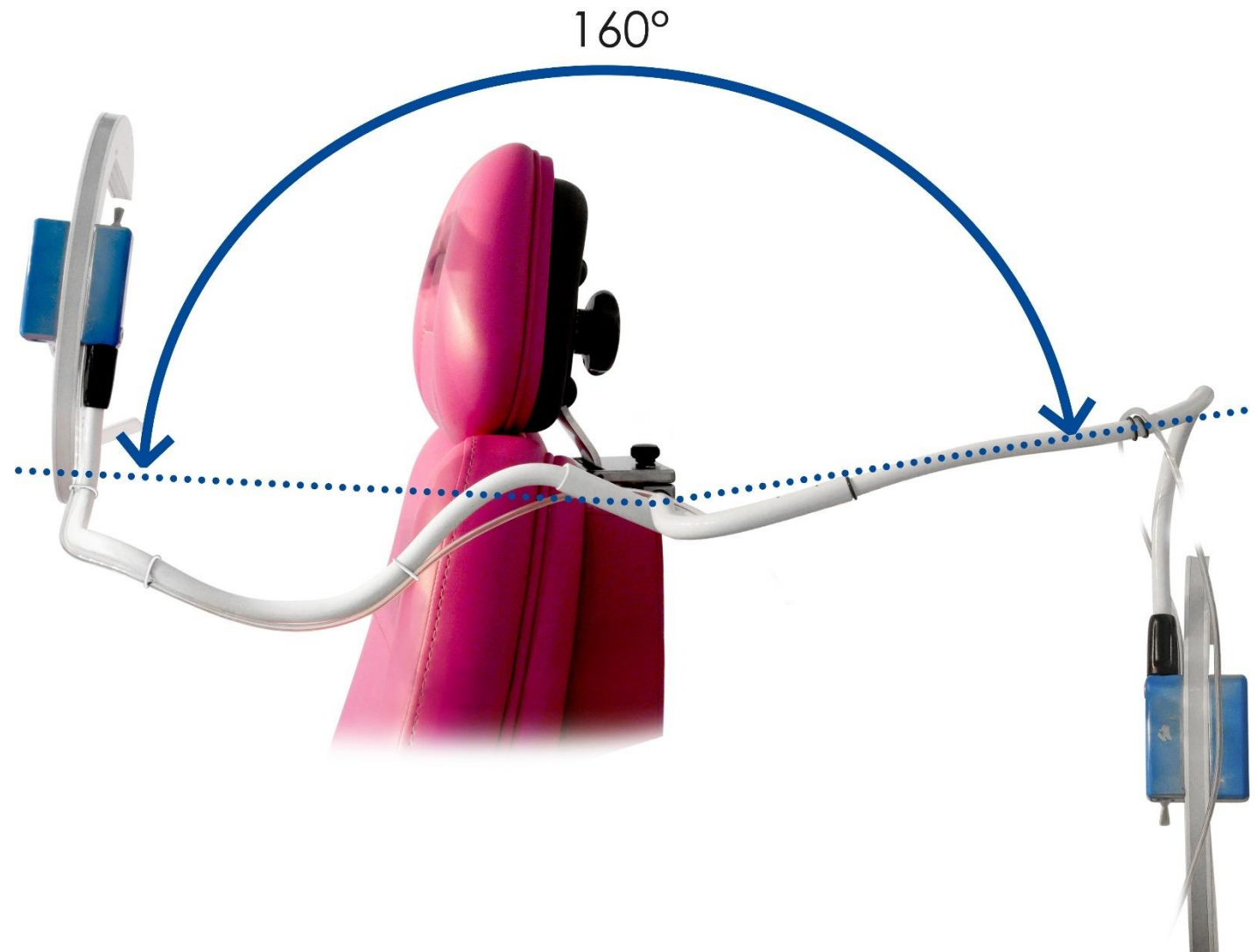
With a flexible arm 90 cm long, it is positioned without any limitations near the patient's oral cavity, avoiding any obstacle to work. has a 5 year warranty





Placement

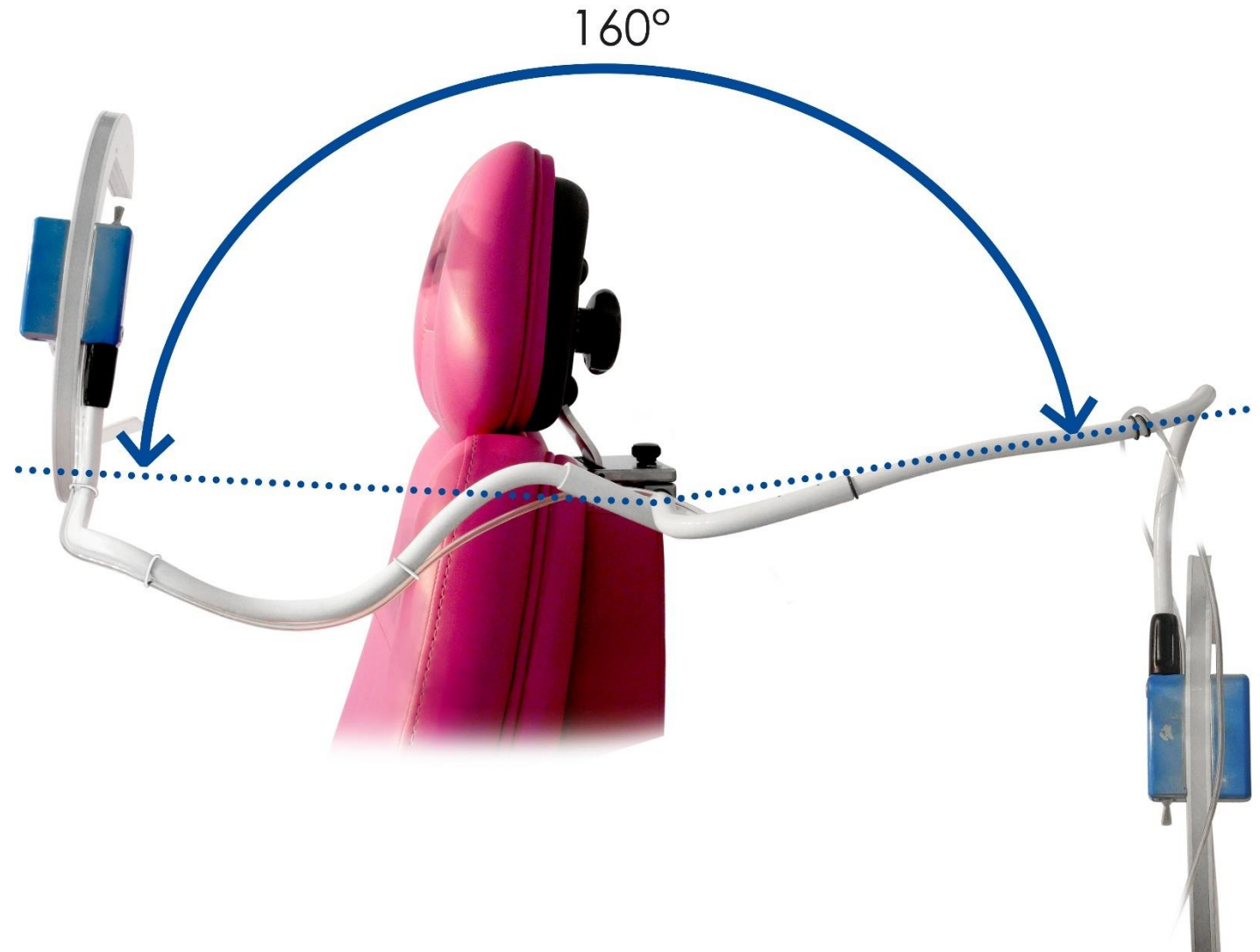
The SKUDO head is keyed onto an arm with a flexible end, which in turn is mounted on an arm that rotates, thanks to the presence of 2 stops, only 160° , quickly assuming the rest or working position.





Placement

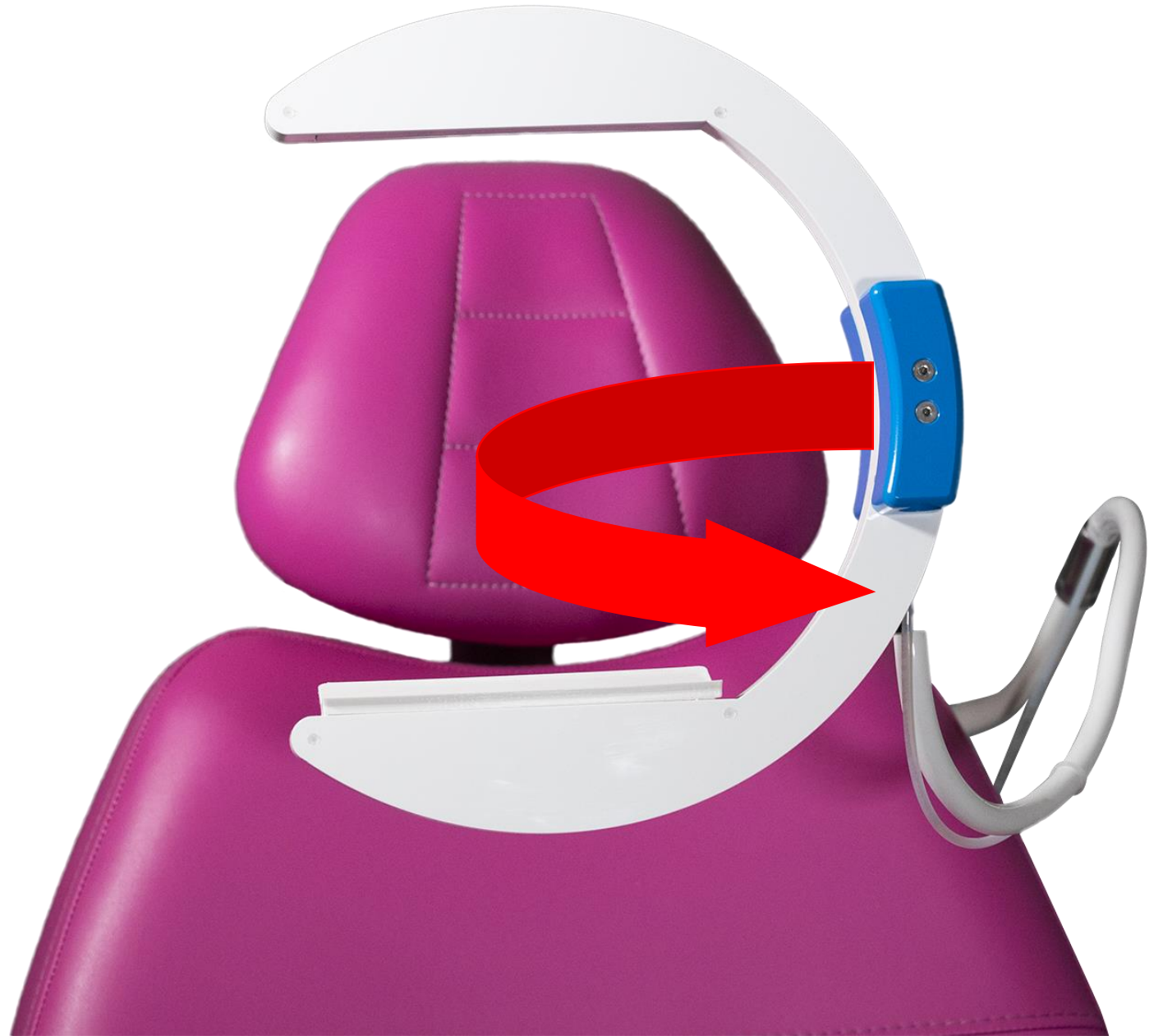
Using this method
SKUDO always
maintains the
previously used
position





Placement

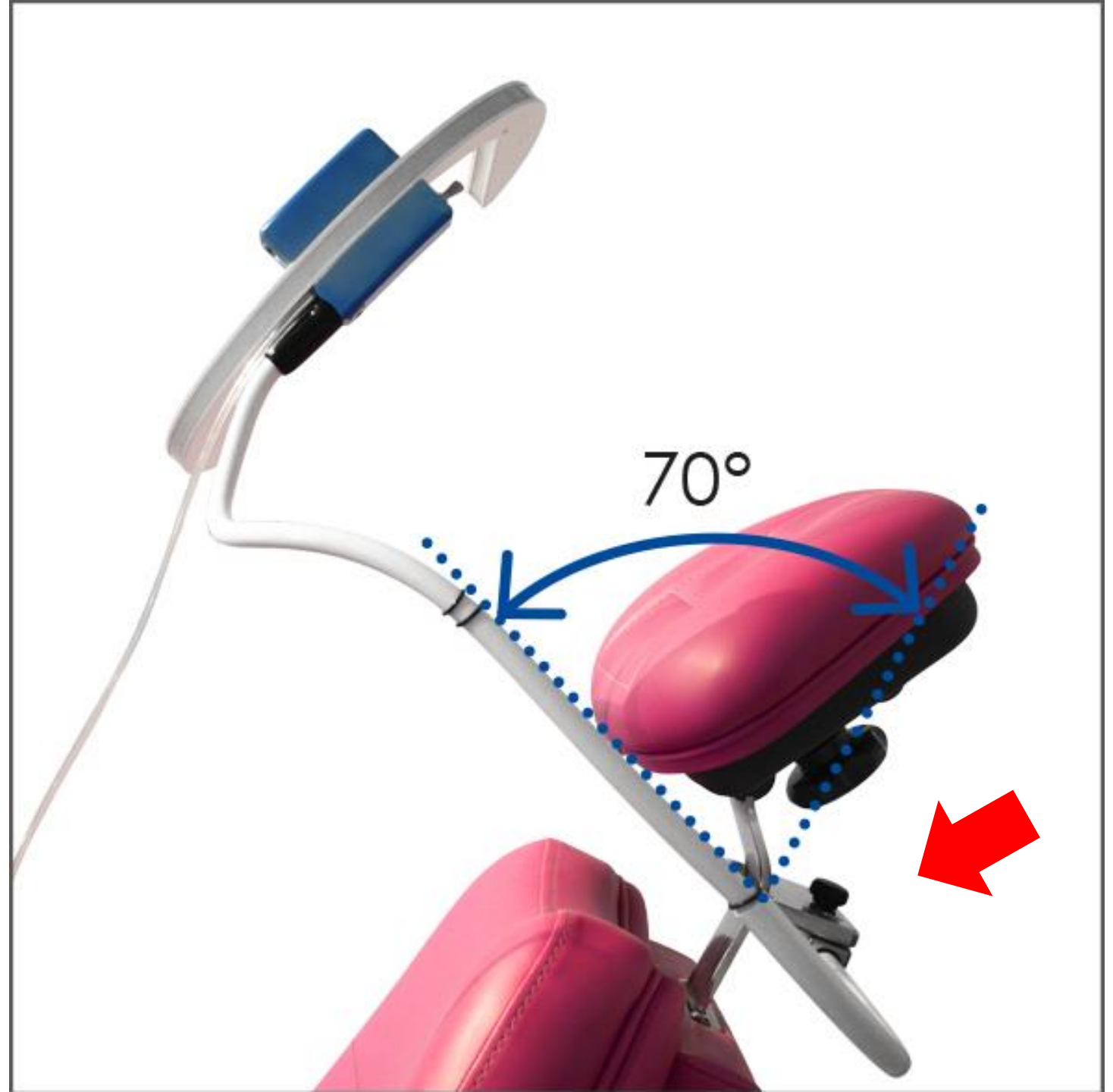
Another method is to always keep SKUDO in the front position and move it to the right at the end of the work; in this case, at the beginning of the work, it is always necessary to reset the position





Placement

If necessary, the SKUDO arm can be locked in intermediate positions by acting on the central knob





Conveyor Assembly

Insert the conveyor
with the wing
protruding towards
the headrest, it's
autoclavable at 134°





Conveyor Assembly

Insert the conveyor
with the wing
protruding towards
the headrest, it's
autoclavable at 134°





Placement

The SKUDO head must be positioned at a distance of about 20 cm from the face so that it can be easily worked in the oral cavity. In the case of operations with high aerosol production, it is recommended to bring SKUDO as close to the patient's face as possible.





Placement

If you work standing it is preferable to position the arm with a flexion from the bottom upwards. For greater stability the arm spring must follow a downward curve as in the figure





Placement

In the work position at «9 o'clock», it is advisable to tilt the SKUDO head 45 degrees so as to have comfortable and direct access to the oral cavity





Placement

If you work without the assistant, you can position the arm following the curve in the picture beside





Placement

In the working position at "12 o'clock", position SKUDO about 10 cm from the face with an angle that allows agility of action

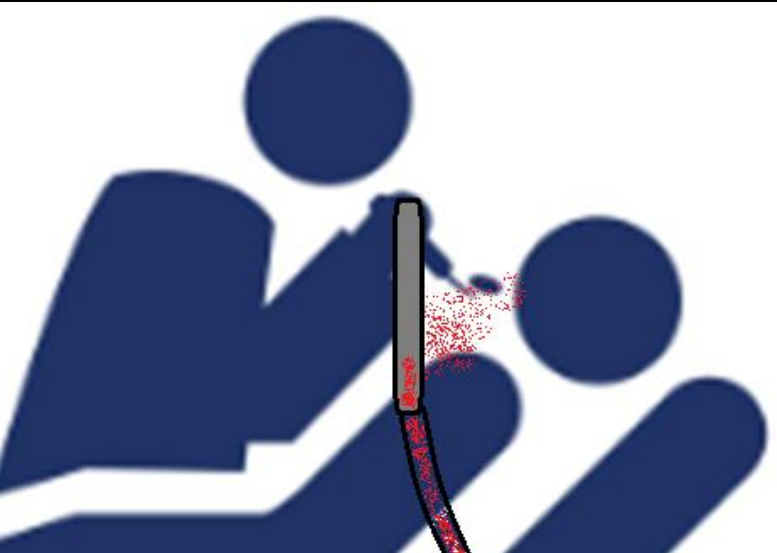




Biological Risk



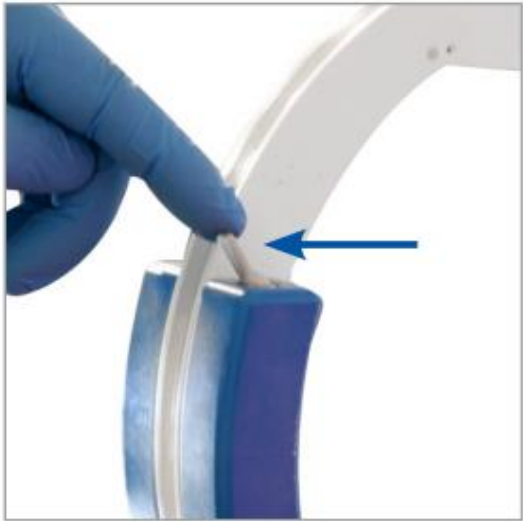
SKUDO blocks and sucks only the aerosols that pass through or are near the air barrier. Also using SKUDO is necessary wear PPE as per current regulations.





Activation

After inserting the desired surgical cannula just move the lever located on the handle





Cleaning

With active suction on SKUDO, brush the lower slot with a brush soaked in non-alcoholic disinfectant





Service

NONE!

Only foresight:
Periodically check and
clean the holes of the
upper pneumatic
manifold with a pin or a
root canal instrument





Common Mistake

Head tilt error, placed at 90 °, and incorrect insertion of the suction conveyor





Common Mistake

Incorrect side insertion of
the suction conveyer





Common Mistake

Incorrect insertion of the
suction conveyor:
blocked suction passage





Data Sheet

N° 102020000008218

5.3 - TECHNICAL FEATURES

Product code: DP2003S

Head diameter: 300 mm

Flexible arm length: 900 mm

Swivel angle: 180°

Min/Max Operating air pressure: 4-4.5 bar

Air consumption at 4 bar: 16 l/min

Minimum suction depression: 180 mbar

Additional noise at suction: 12 db

Air blade size: H 210 x L 150 mm

Collar buttonhole size: 90 x 10.5 mm

Weight: 2 kg

Head material: White Plexiglas / anodised aluminium

Suction tube connection: Universal connector for large or small cannula

Power supply: pneumatic (with tube and quick coupling supplied)

93/42 EEC certification, Class I



WARNING! If there is no 4 bar, it is essential to insert a pressure regulator upstream of the unit. The regulator must be connected to the pneumatic system of the dental unit and calibrated at 4 bar.

Packing dimensions:

• BOX 1

Dimensions 400x400x100 mm

(width x depth x height). Weight 2 kg (approx).





Certification



Medical Device
N° 1962368

5.2 - STANDARDS/CERTIFICATIONS

Medical device

The SKUDO™ device bears the CE mark.
The SKUDO™ device is classified as a class I medical device according to rule 1 of annex IX of Directive 93/42/EEC.

The device also complies with the following standards:

| Number | Title |
|-------------------------|--|
| EN ISO 14971:2012 | Medical devices – Application of risk management |
| Dir.93/42/EEC | European directive concerning medical devices |
| Legislative Decree46/97 | Implementing directive 93/42 |
| Dir.2007/47/EC | Updating directive 93/42 |
| Legislative Decree37/10 | Implementing directive 2007/47 |
| EN 1041:2010 | Information supplied by the manufacturer with the Medical Devices |
| ISO 15223-1:2012 | Medical devices -Symbols to be used with medical device labels, labelling and information to be supplied - Part 1:General requirements |
| EN ISO 13485:2012 | Medical devices. Quality management systems |
| EN 62366:2007 | Application of Usability engineering to Medical Devices |



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