



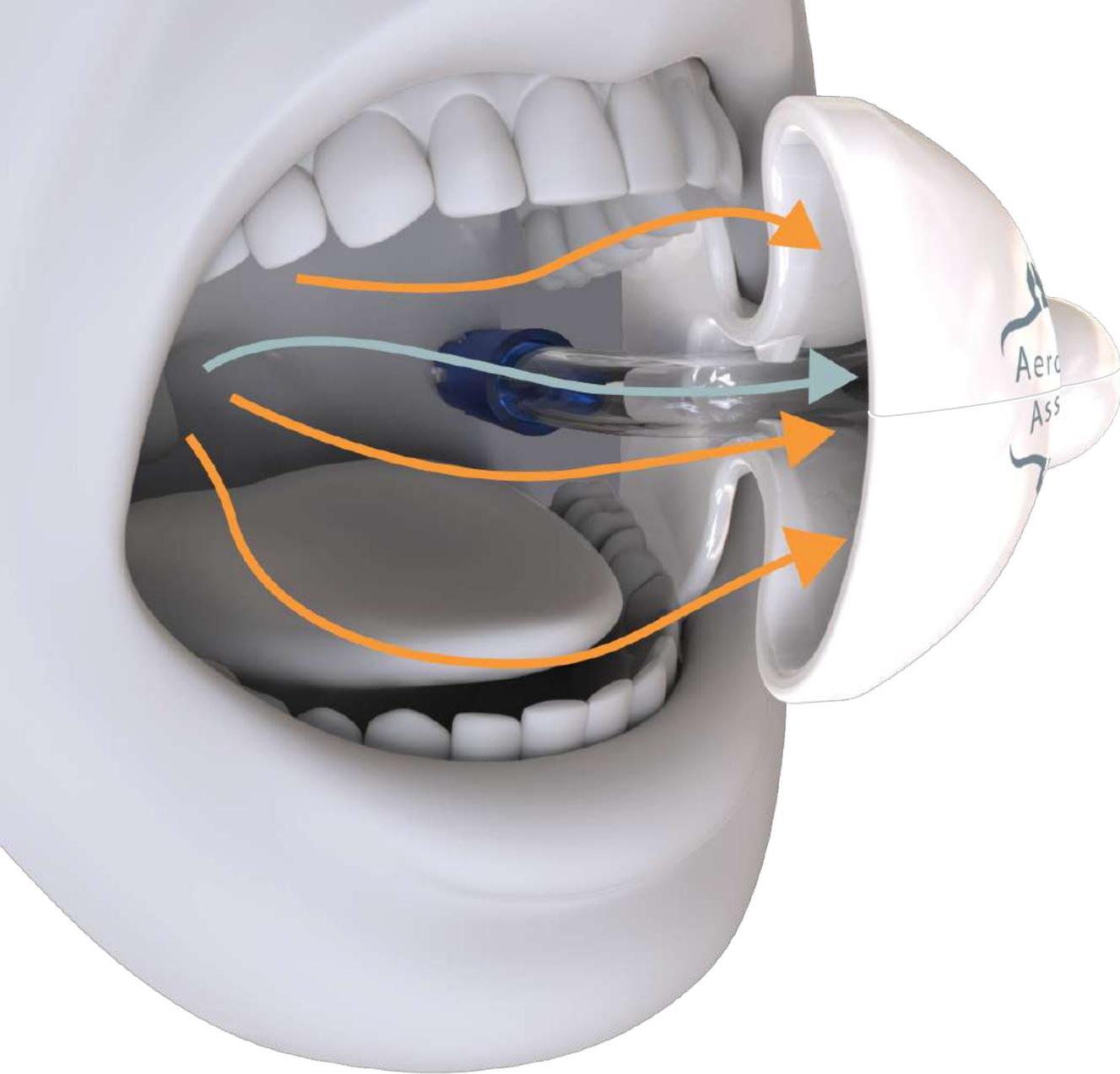
# Aerosol Assist<sup>®</sup>



Hands Free Aerosol  
Suppression System

Breathe Easy!

(User Guide)



-  Aerosol
-  Saliva

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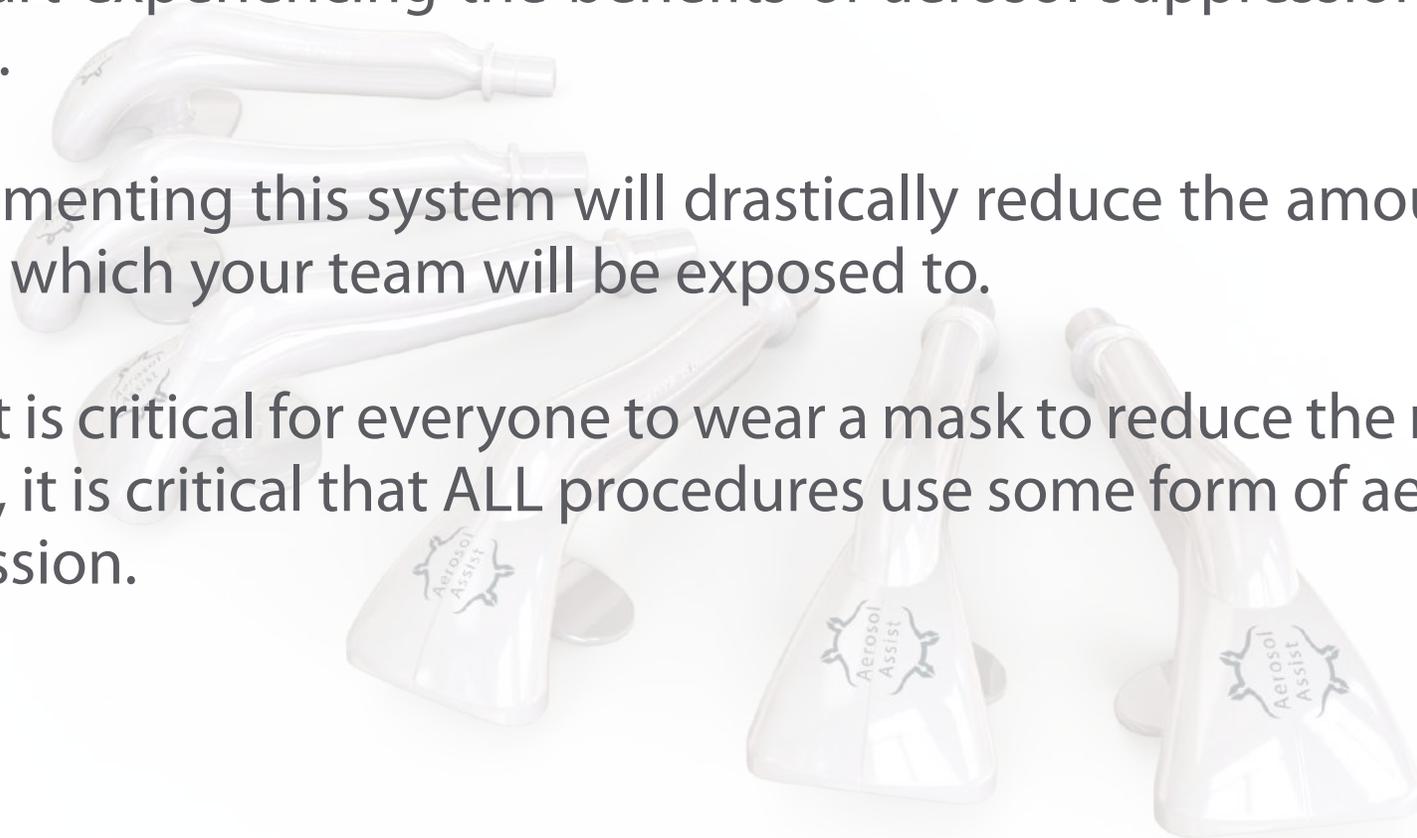
# Introduction

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Thank you for your interest in the Aerosol Assist, a hands-free aerosol suppression system. We are extremely excited for you and your team to start experiencing the benefits of aerosol suppression at every chair.

Fully implementing this system will drastically reduce the amount of aerosols which your team will be exposed to.

Much like it is critical for everyone to wear a mask to reduce the risk of aerosols, it is critical that ALL procedures use some form of aerosol suppression.



# What is Included?

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- 6 Aerosol Assist
  - Class VI biocompatible
  - Autoclavable

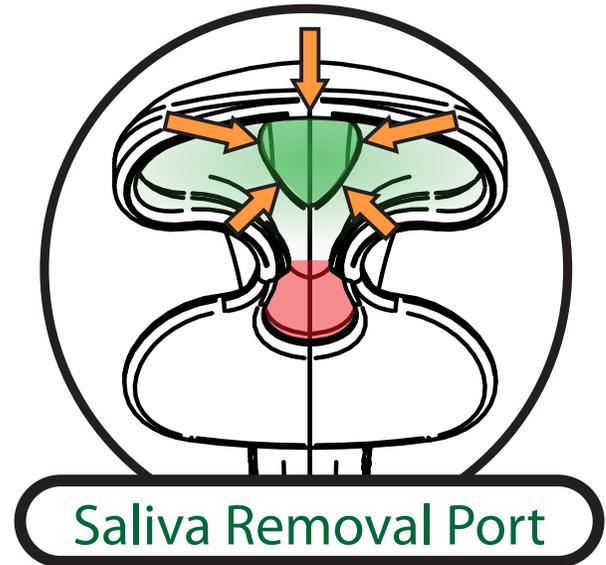
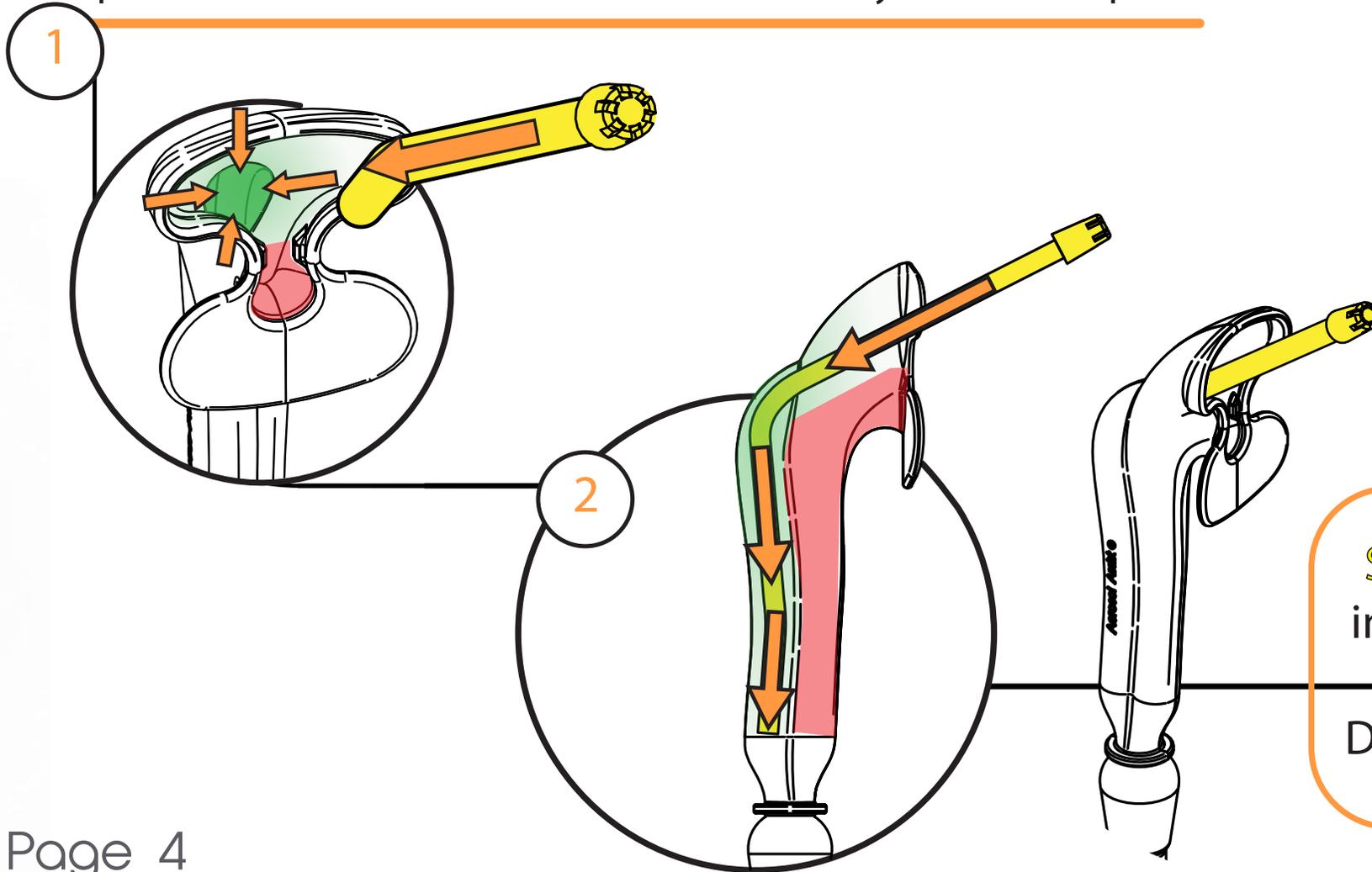


[www.aerosolassist.com/setup/](http://www.aerosolassist.com/setup/)



## Set up and Installation

Fully insert the **saliva ejector** into the saliva removal port **IN THE REAR** of the Aerosol Assist until you feel a stop.

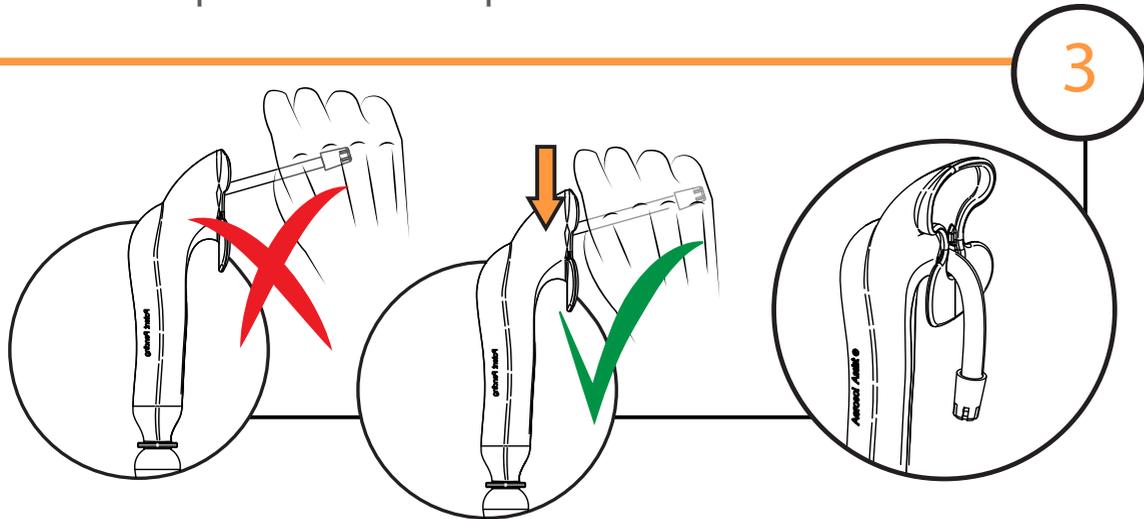


Saliva Ejector fully inserted into the Saliva Removal Port

Do not insert in the Red areas

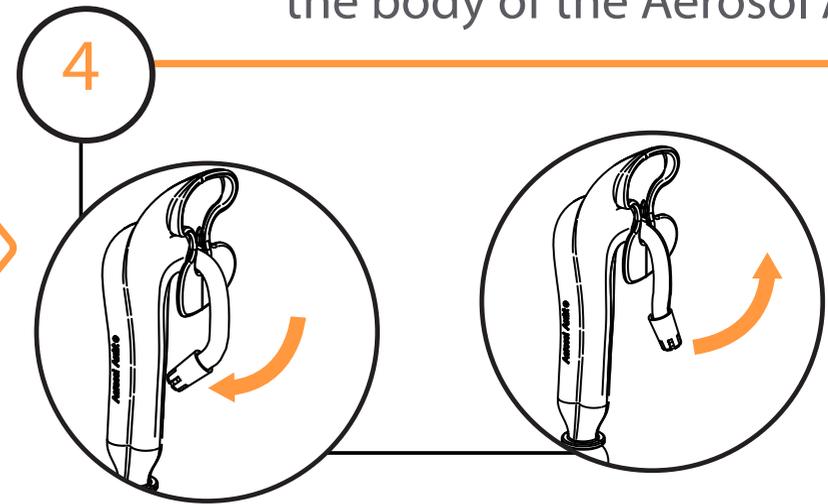
## Set up and Installation

Once the saliva ejector is fully installed, pull down to lock it in place, but do not grab the tip. Instead, grab the portion of the saliva ejector closest to the Aerosol Assist and pull down. You can now change the position of the saliva ejector to fit in the most comfortable position for the patient.



Tip: As you pull down, the saliva ejector should go beyond the pinching point and lock into position.

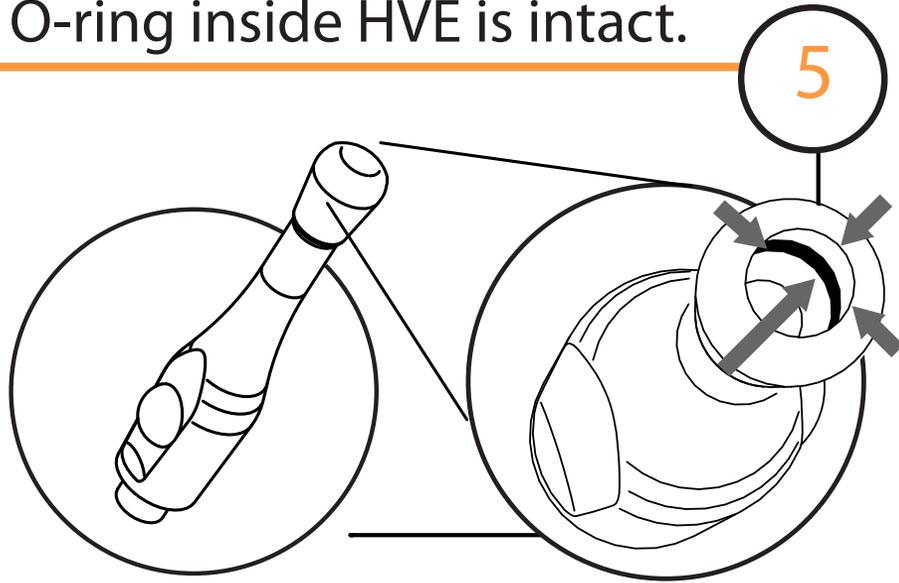
Bend the saliva ejector so that it touches the body of the Aerosol Assist.



Once you release, it will go into a position that will not rest on the patient's anatomy, but will hover over it. The ideal position varies from patient to patient but should avoid gag reflexes, any anatomical landmarks (Teeth, Gums, Pterygomandibular raphe) and be deep enough to remove intraoral fluids.

## Set up and Installation

Verify O-ring inside HVE is intact.



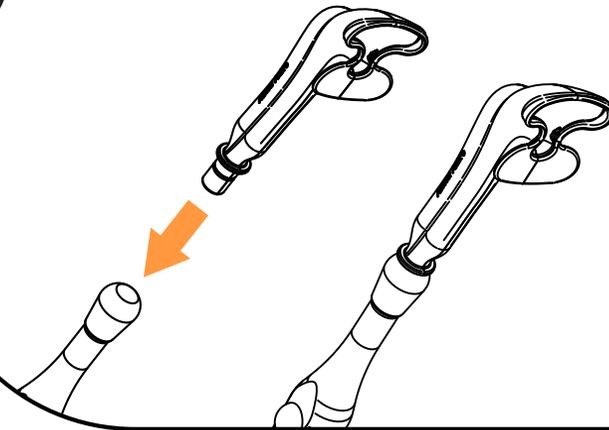
Warning:

Do not use if O-ring is missing in HVE. Contact your trusted dental service technician to replace worn out/ missing O- ring.

Caution:  
Do not use if the Aerosol Assist connection does not support the weight of the HVE valve and hose.

6

Install Aerosol Assist into HVE.



It should be loose enough to allow for easy rotation, but not fall out.

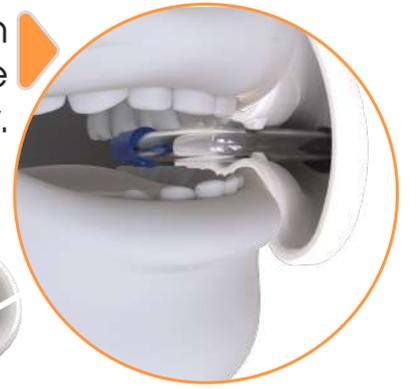
Interior surfaces are rounded for maximum cleanability.



## Features

## Features

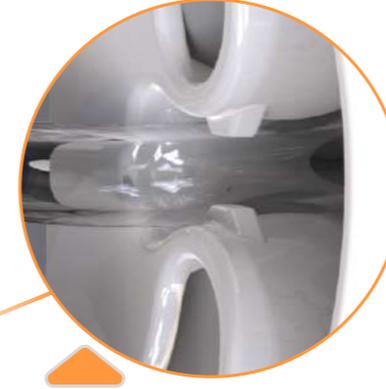
Lip anchor constriction allows the patient to close lips comfortably.



Aerosol removal port reduces aerosol during every procedure.



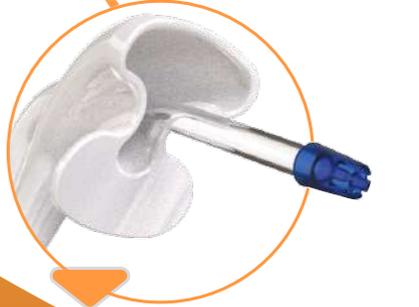
Constriction point allows easy installation and removal of saliva ejector without unintentional removal.



Hose length is adjustable by 5 mm to accommodate anatomical variances without losing suction.



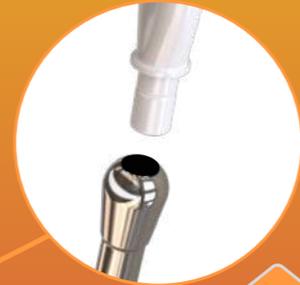
Engineered to guide disposable saliva ejector to the correct opening to initiate suction.



Quick connect allows for a tight seal while allowing rotation that alleviates torque transfer.



Fits in a standard HVE and accepts standard saliva ejectors.



Made from durable autoclavable, Medical Grade Thermoplastics.

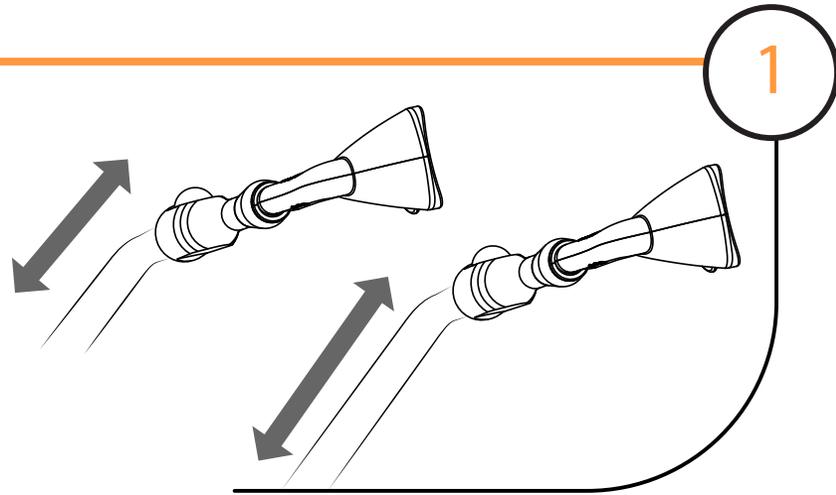


Built-in backflow prevention.



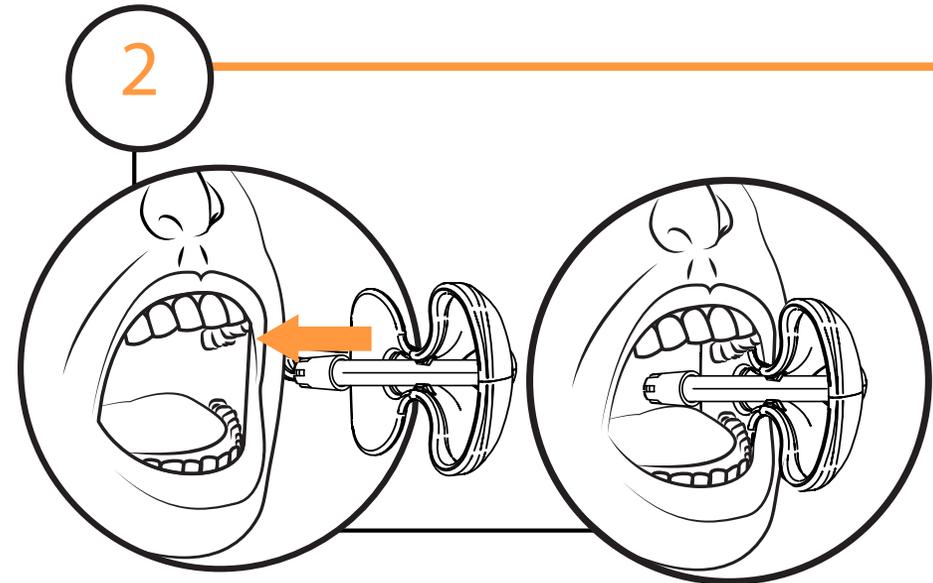
## How to Operate

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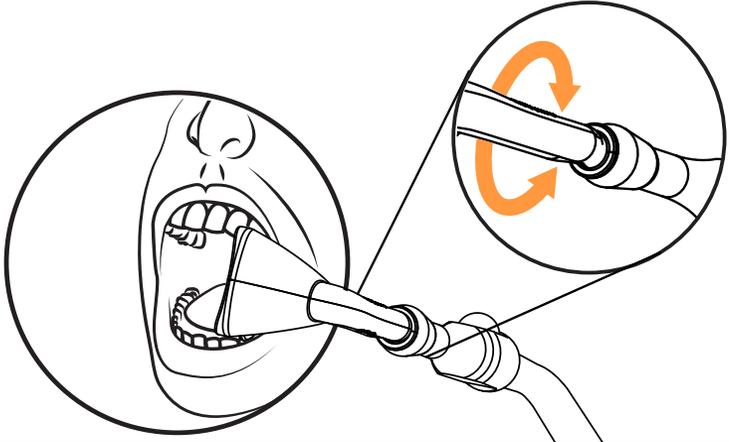
Route HVE hose around the chair and other obstacles to avoid creating unnecessary tension. If the HVE is too short, a longer one should be considered.

Insert buccal plate so that it's positioned between the teeth and cheek.



# How to Operate

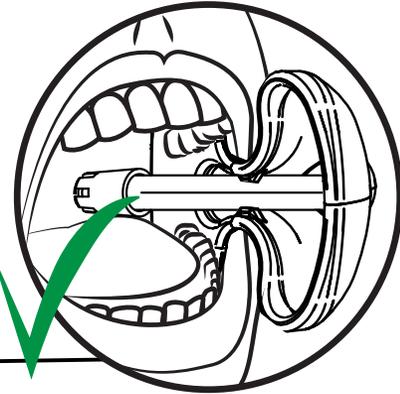
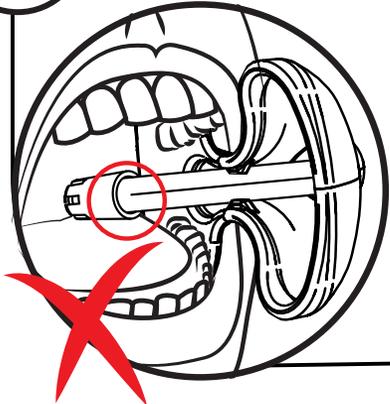
3



Rotate the Aerosol Assist to release any torque from the HVE Hose.

Make sure the saliva ejector does not rest on teeth, gums, or other anatomical components.

4



The saliva ejector should only touch the surface of any tissue.

## Cleaning and Sterilization



- 1• Remove biomatter and other debris from the suction channels using a tube brush with a neutral pH enzymatic cleaning solution.

- 2• The brush must access both channels coming from the top and the bottom of the Aerosol Assist.



**Warning:** All Aerosol Assist MUST be cleaned and sterilized.

# Cleaning and Sterilization



3. Rinse with tap water
4. Dry
5. Autoclave Sterilization Cycle  
30 Minutes @ 121 Degrees Celsius  
at a minimum 15 PSI



**Warning:** All Aerosol Assist MUST be cleaned and sterilized.

**When sterilizing make sure that the Aerosol Assist:**

- Has aerosol port opening facing upwards.
- Placed in the top rack of the autoclave.
- Not in contact with other instruments.
- Does not have any load bearing weight placed on top of the Aerosol Assist.

# Packaging



One kit is recommended per chair.

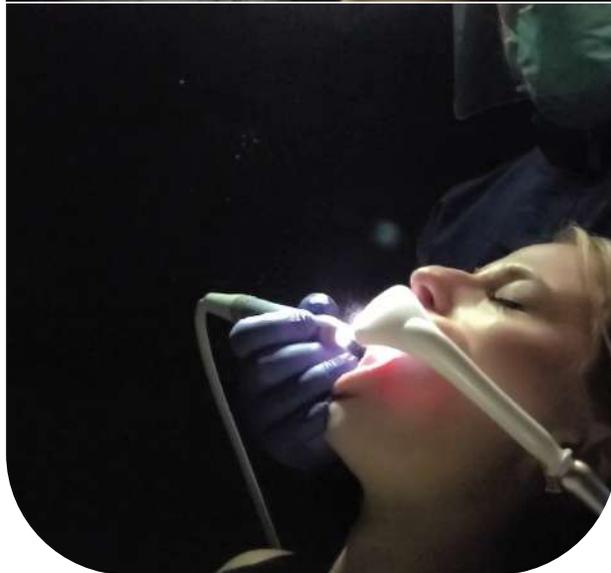
The Aerosol Assist kit comes with 6 individual Aerosol Assists.



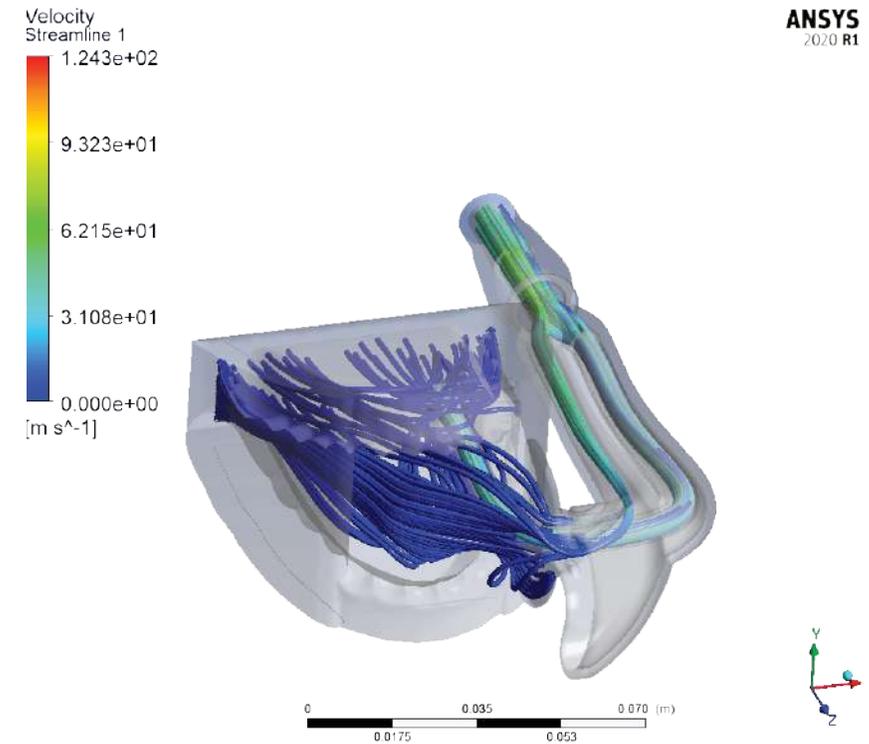
# CFD Analysis



OFF



ON



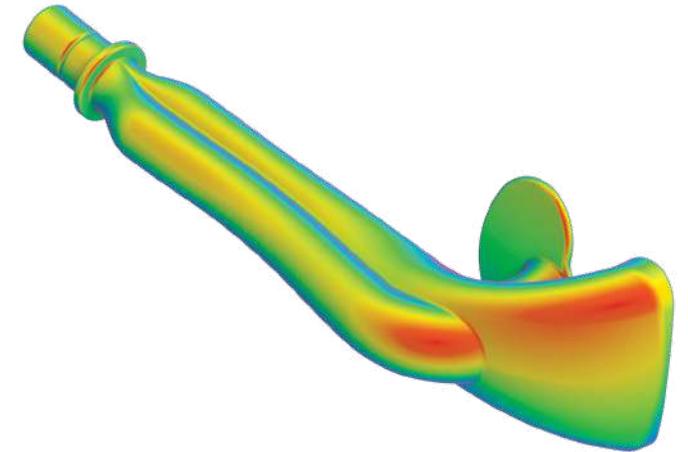
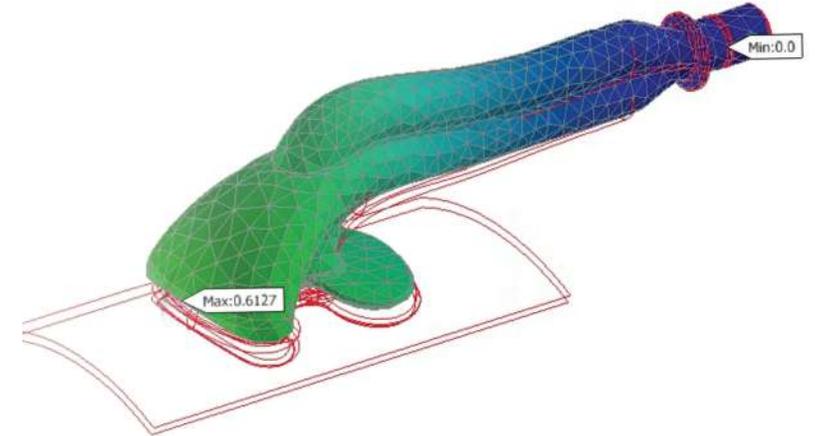
Using cutting edge computational fluid dynamics, the Aerosol Assist is optimized for maximum aerosol reduction while offering effective saliva evacuation.

# Key Mechanical Properties

Medical Grade, Biocompatible, High Temperature, Autoclavable

- Tensile modulus: 2400 MPa
- Impact strength (Per Test Procedures ISO 179/1eU) @ 23 °C (kJ/m<sup>2</sup>) = No Break
- Heat deflection temperature: 170 °C
- Water absorption (24 hour): ≤ 0.12 %
- Optimal plastic for steam sterilization

Includes a six months manufacturer warranty.





Aerosol Assist<sup>®</sup>  
Patent Pending

[www.aerosolassist.com](http://www.aerosolassist.com)



Designed in Miami, USA  
by Pivatool, LLC





Breathe Easy!

Hands Free Aerosol  
suppression system  
(User Guide)

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