



# Isolite 3 Training

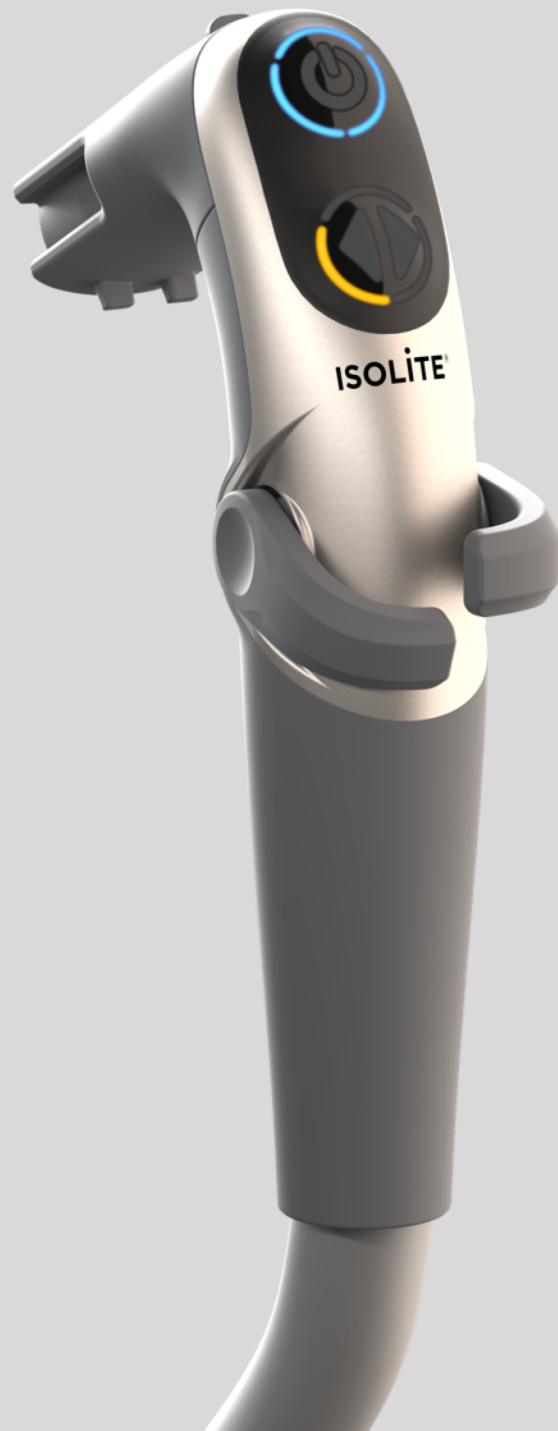
A blurred background image of a dental clinic. In the foreground, there is a white dental unit control panel with several blue buttons. Behind it, a dental chair is visible. In the background, there are various dental instruments, including a long, thin metal probe with a blue handle, a blue-handled dental scaler, and a grey-handled dental scaler with the brand name 'ISOLITE' visible on its handle. The overall image has a blue tint.

**Thank you for adding  
Isolite 3 to your practice**

# What to expect today

## WE'LL COVER THE FOLLOWING TOPICS

- . Overview of the Isolite 3
- . Installation of the Isolite 3
- . Getting started
- . How to select and place mouthpieces
- . Cleaning and maintenance



# ISOLITE 3



## PREDICTABILITY

The Isolite 3 removes many of the negative variables that can impact treatment including soft tissue interference and low visibility.



## PRODUCTIVITY

Continuous hands-free suction evacuates water, saliva and debris for unsurpassed moisture control.



## RISK MANAGEMENT

The Isolite 3 shields soft tissue. Designed with infection control in mind, the single-use mouthpiece gently hugs the vestibule and protects the airway.





# ISOLITE 3



## ILLUMINATION

The Isolite 3 provides unsurpassed visibility with three levels of bright, long-lasting LED illumination where you need it most.



## QUALITY

Made of Liquidmetal® and manufactured in the U.S.A., the Isolite 3 is lightweight but mighty and made for years of use.



## EASE

Unlike rubber dam placement, the Isolite 3 can be placed, removed and placed again in seconds. Try doing that with traditional isolation methods.



# ISOLITE 3



## NEW AMBER LIGHT

Prevents the polymerization of light cure resin-based composites, while still providing illumination inside the mouth.



## LIGHT MANAGEMENT TECHNOLOGY

The Isolite 3 utilizes multiple sensors to dynamically manage thermal loads and light output to prevent overheating.



## INTELLIGENT POWER VACUUM BASE

The Power Vacuum Base can be set to provide suction for the Isolite 3 by itself, the Isolite 3 and an accessory, an accessory only or completely turned off when cleaning and sterilization are being performed.





# Installation

# What's Included in the Box

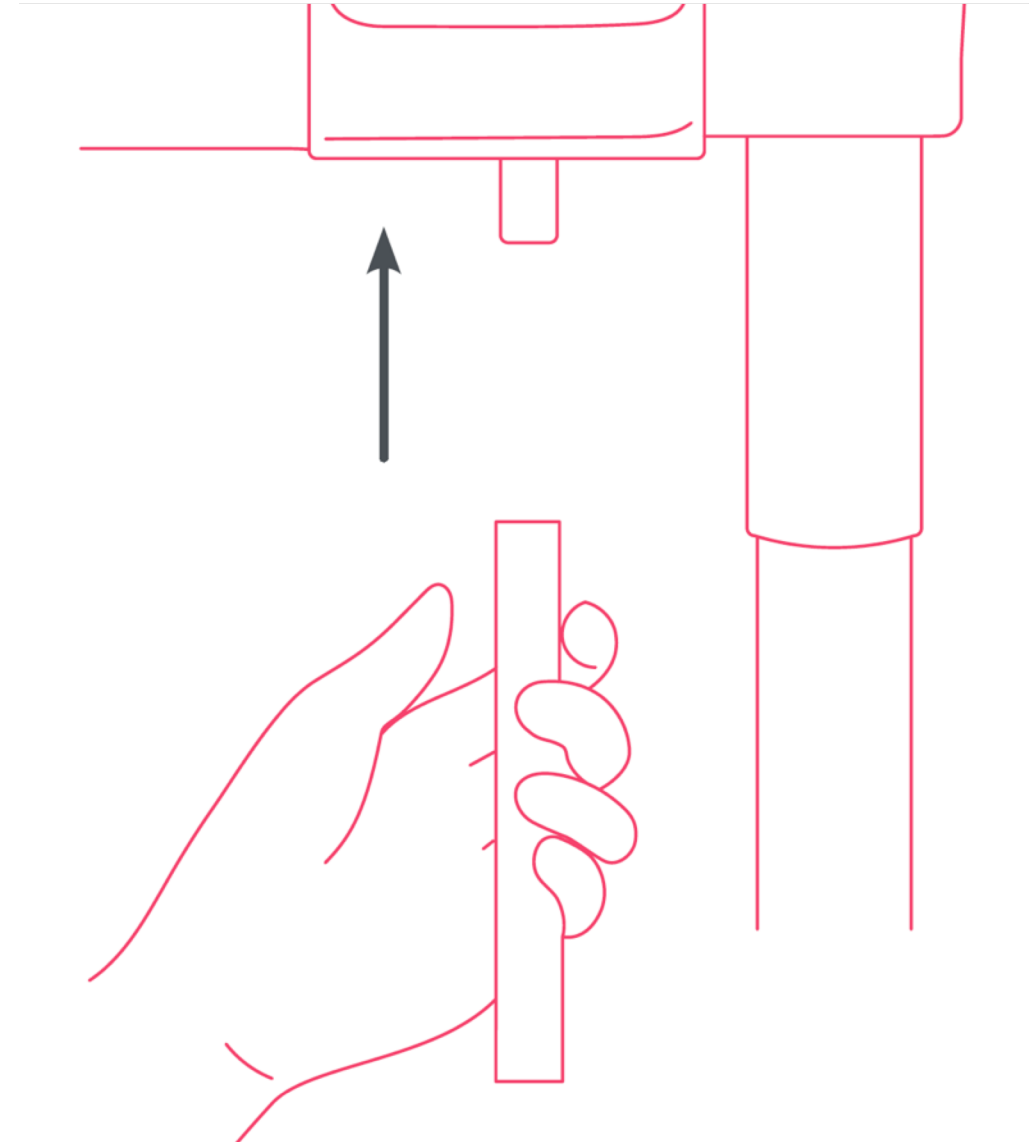
- . Instructions for Use
- . Quick Start Guide
- . Control Head with integrated hose
- . Power Vacuum Base
- . Six (6) Vacuum Light Pipes
- . Cleaning tip adapter
- . Accessory connector
- . Direct-to-chair power adapter
- . Isolite 3 power adapter
- . O-ring lubricant
- . Two (2) Barb adapters



# Connecting the ISOLITE 3

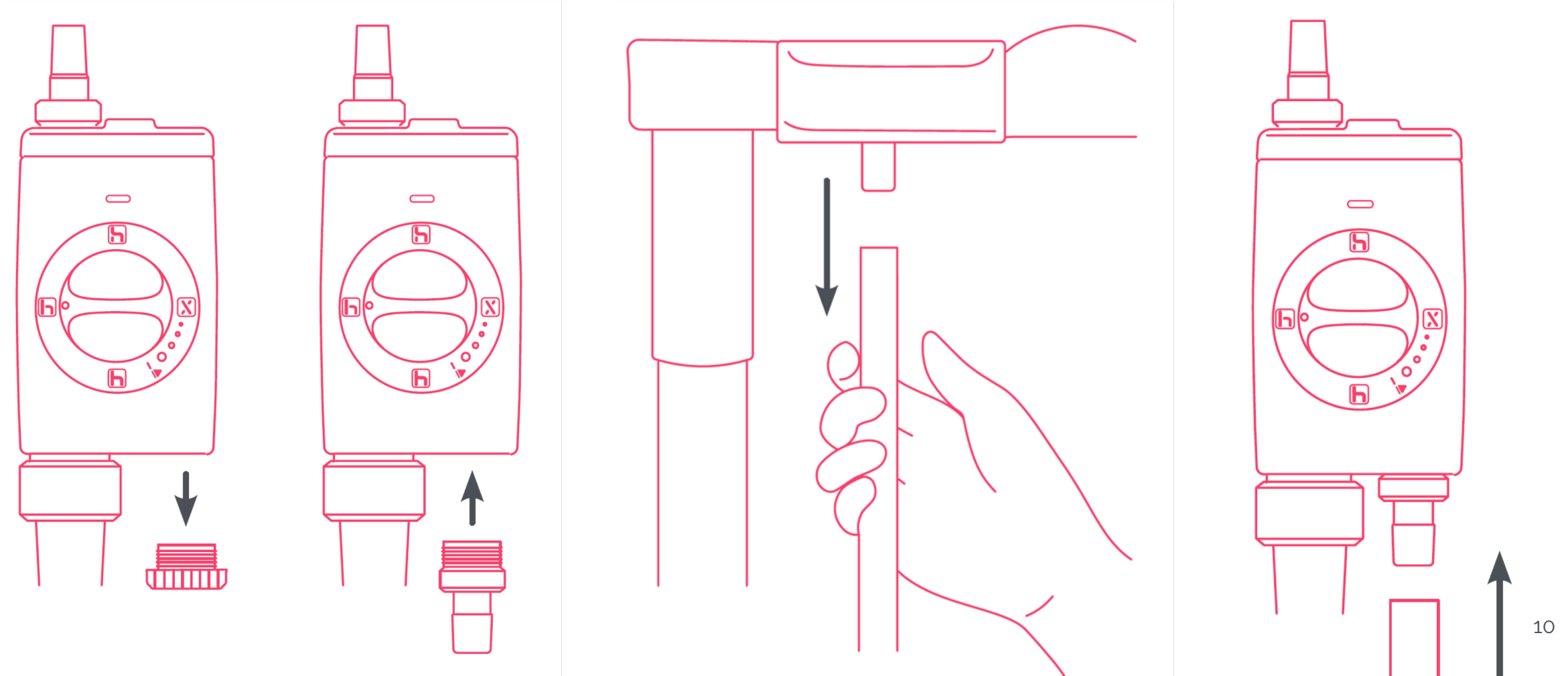
## STEP 1

Attach the end of the vacuum connector hose to an available High Volume Evacuation (HVE) suction port.



# Connecting the ISOLITE 3

[ **STEP 1a** ] Alternate method if no suction ports are available

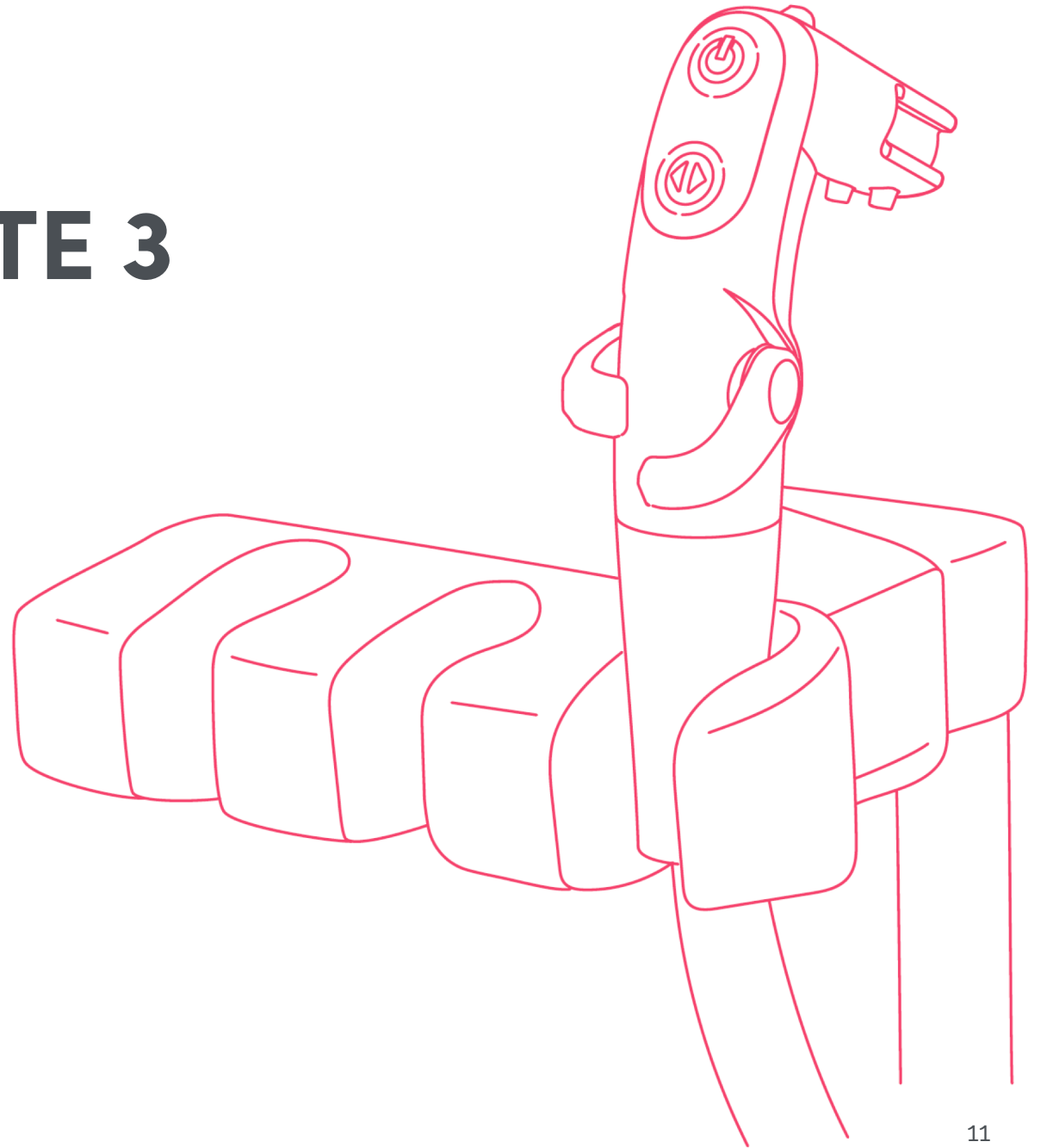


# Connecting the ISOLITE 3

## STEP 2

Place the Control Head Hose on an empty slot on the tool bar, as shown.

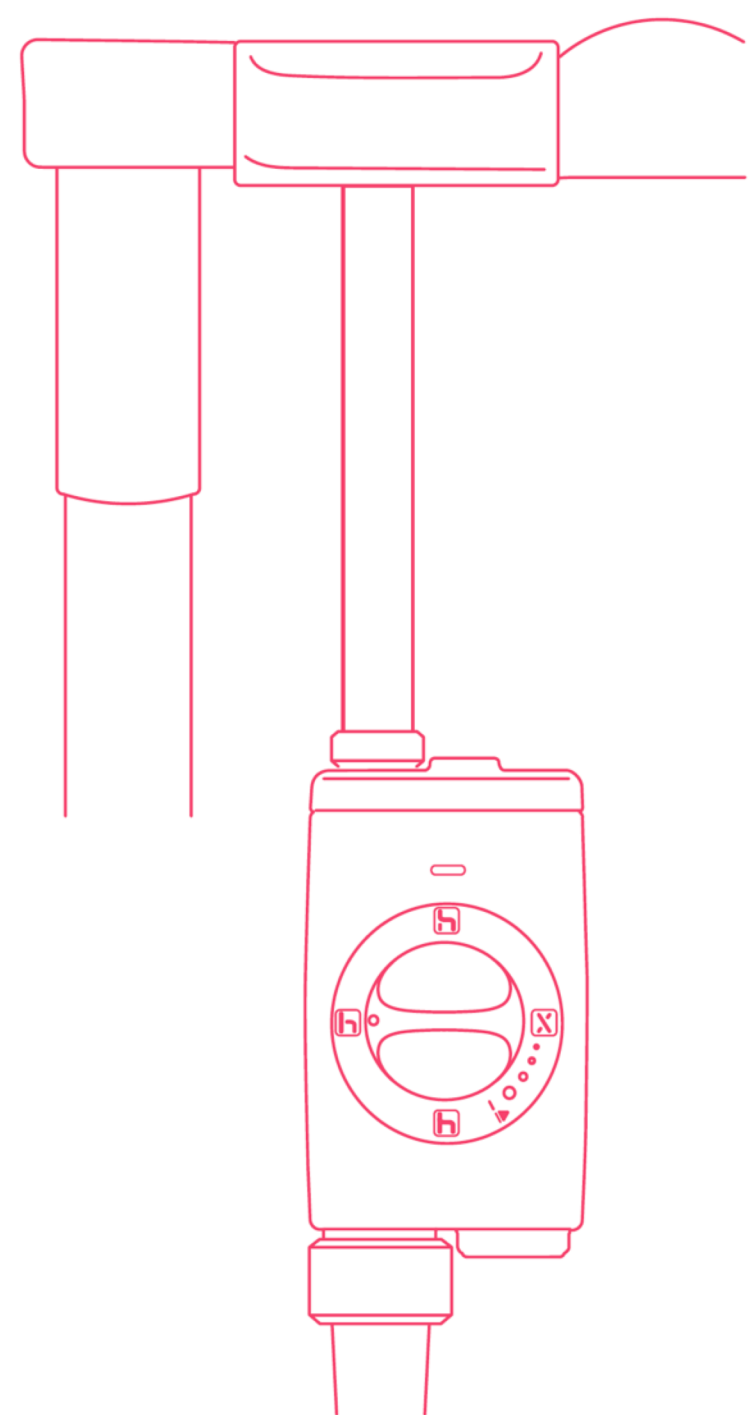
Please contact your dealer or chair manufacturer if you do not have an opening in your tool bar.



# Connecting the ISOLITE 3

## STEP 3

Connect the Power Vacuum Base onto the vacuum connector hose.



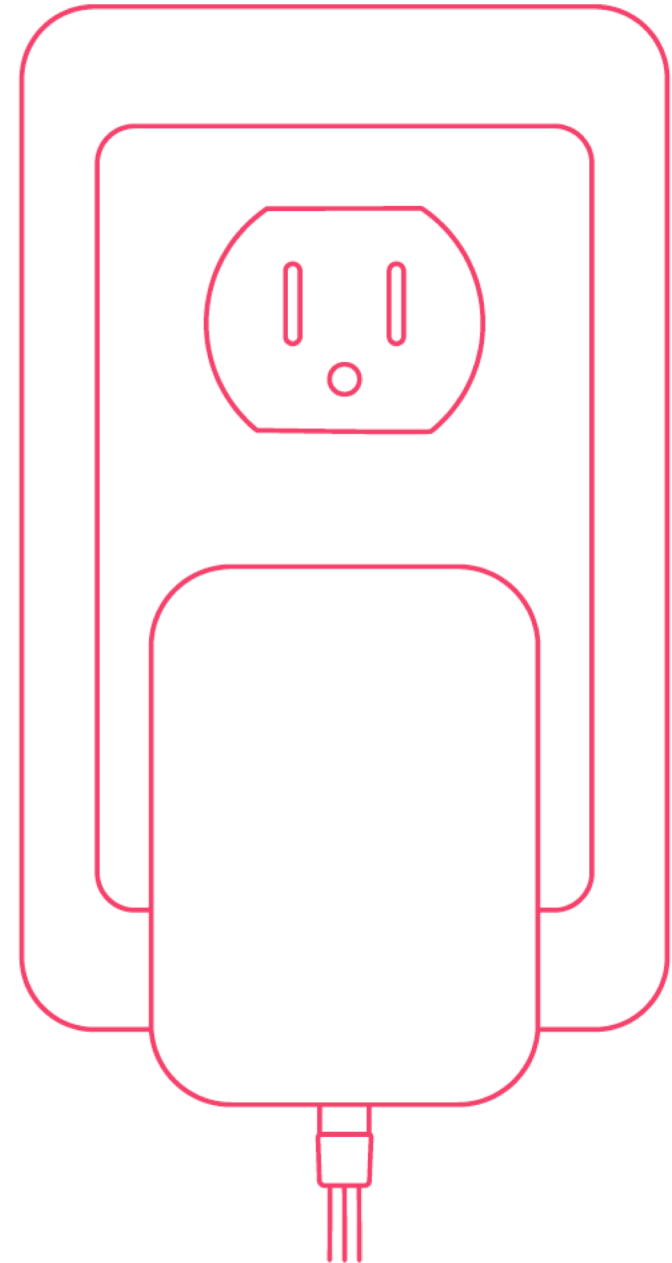


# Connecting the ISOLITE 3

## STEP 4

Plug in power adapter to standard 120V power source.

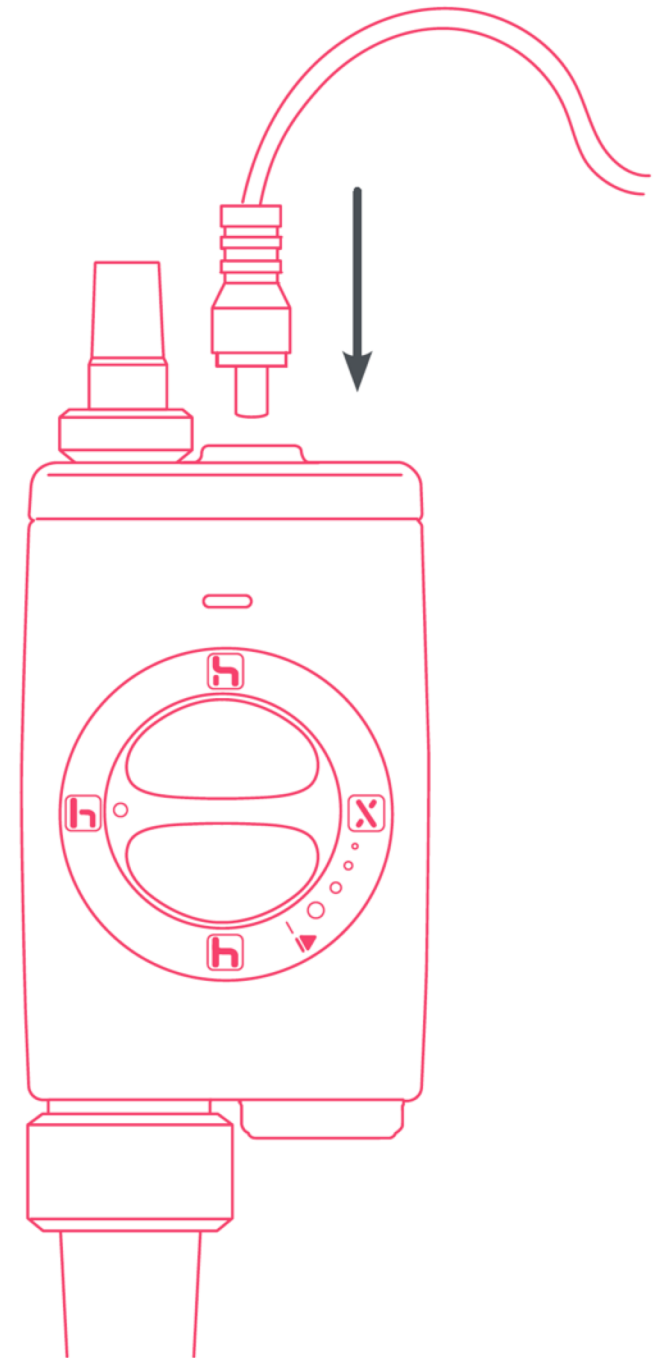
For direct-to-chair connection cable instructions, refer to the Instructions For Use.



# Connecting the ISOLITE 3

## STEP 5

Plug in power adapter connector to the top of the Power Vacuum Base.

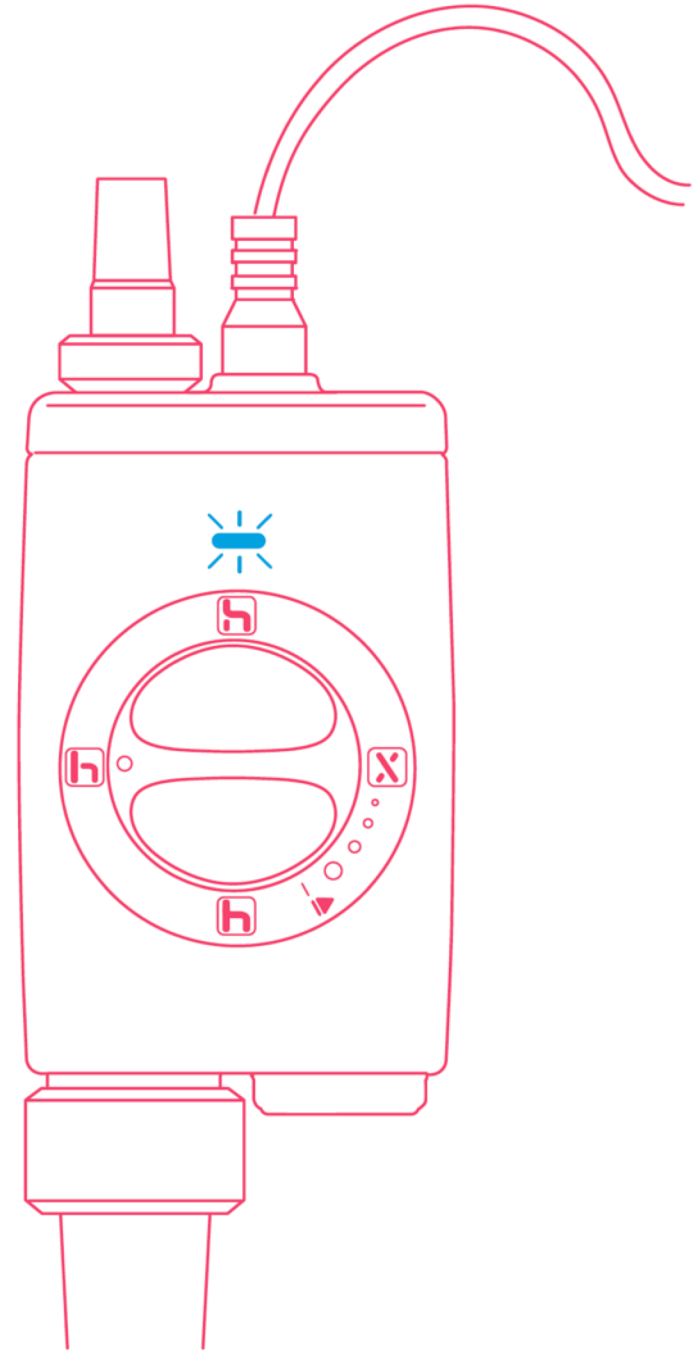


# Connecting the ISOLITE 3

## STEP 6

Confirm light on Power Vacuum Base is solid blue.

Refer to “Using the Power Vacuum Base LED Indicator” section in the Instructions For Use if light is not solid blue.

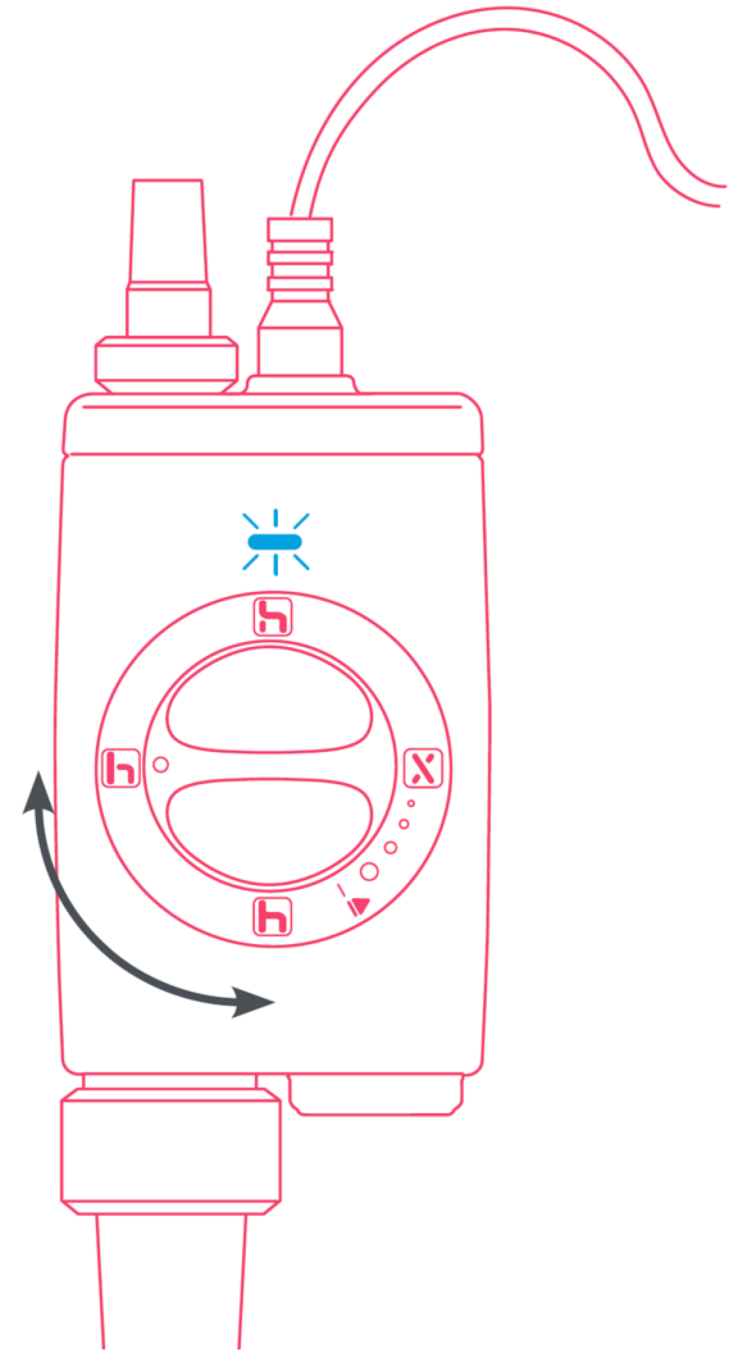


# Connecting the ISOLITE 3

## STEP 7

Rotate the suction selection dial to desired setting.

Allow up to 30 seconds for blue light to appear.



# Anatomy of the ISOLITE 3



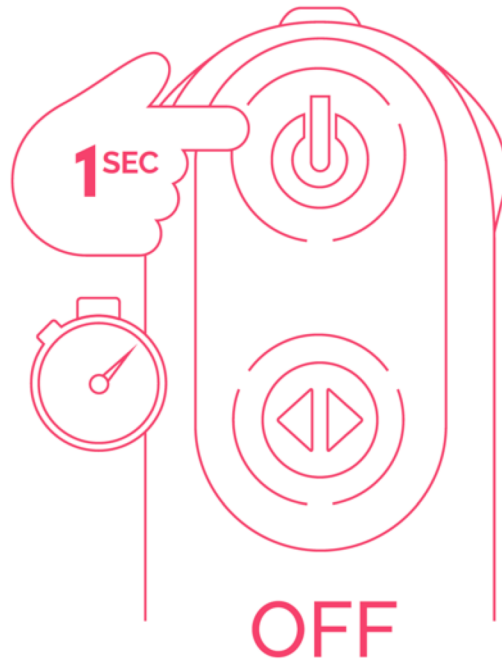
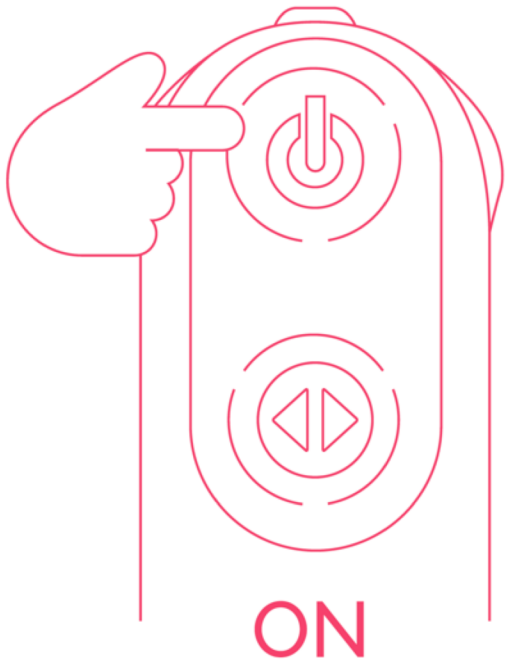
# Anatomy of the ISOLITE 3

The Isolite 3 control head is integrated with the hose.

The only detachable parts are the Vacuum Light Pipe and the dual lever vacuum controls.



# Turning the Light On and Off



Press the top button once to turn the system light on.

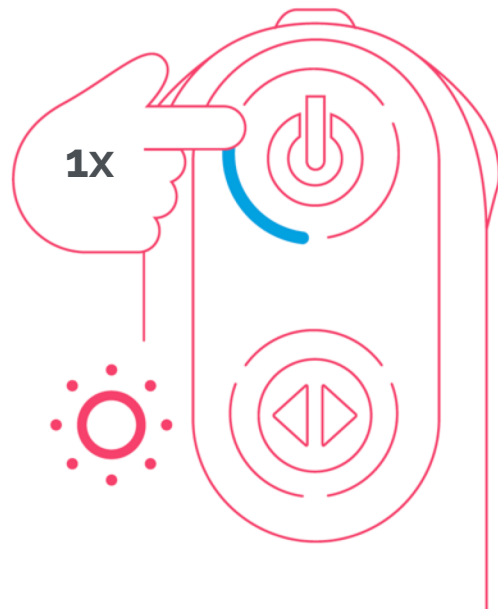
Press the top button and hold for 1 second to turn the system off.

# Understanding the Light Settings

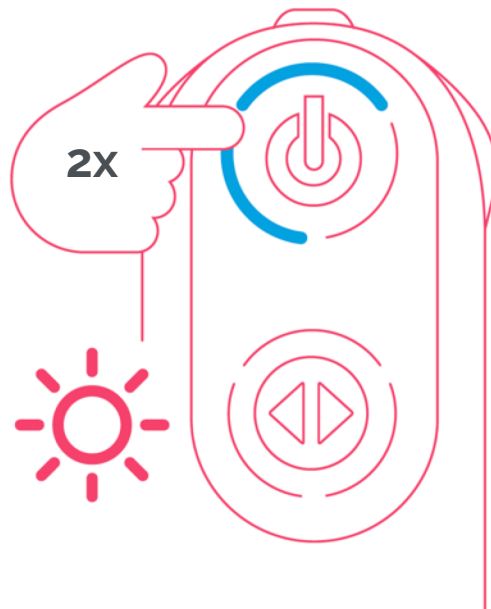
Tap the Power button once to enable the Low light setting.

Tap the Power button a second time to enable the Medium light setting.

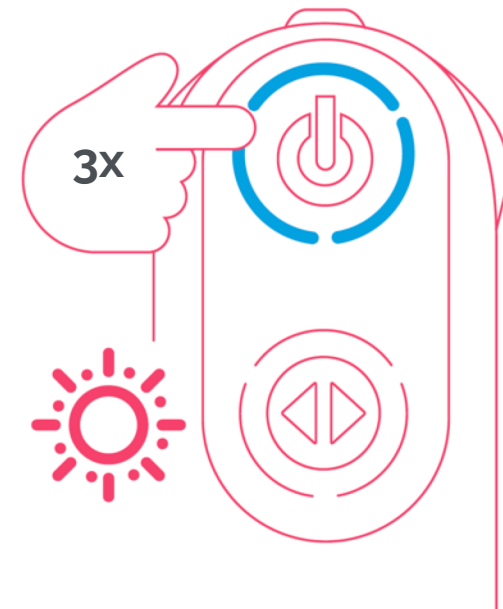
Tap the Power button a third time to enable the High light setting.



LOW



MEDIUM



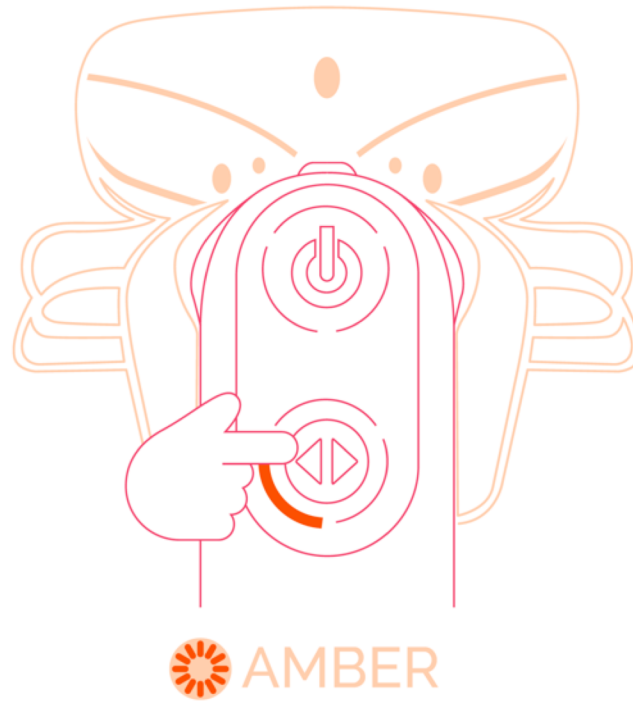
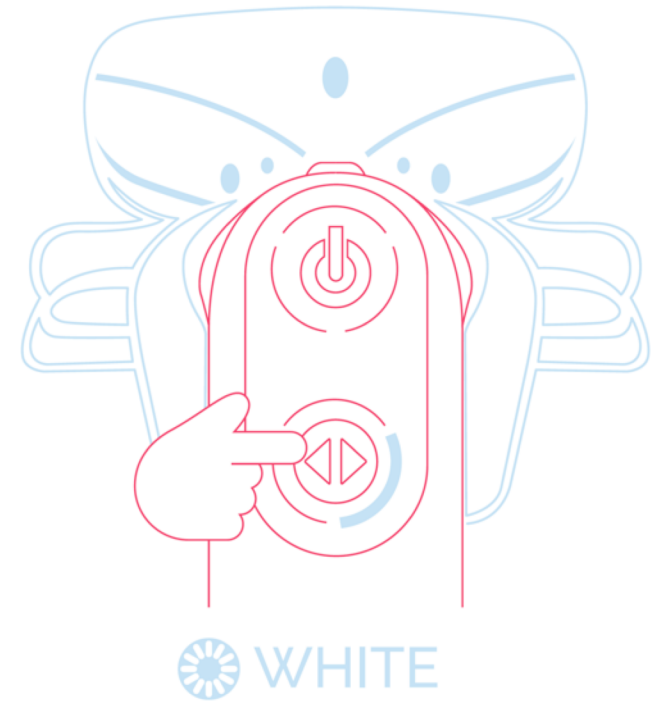
HIGH



# Toggle Between White and Amber

Press the White / Amber button once to use white light.

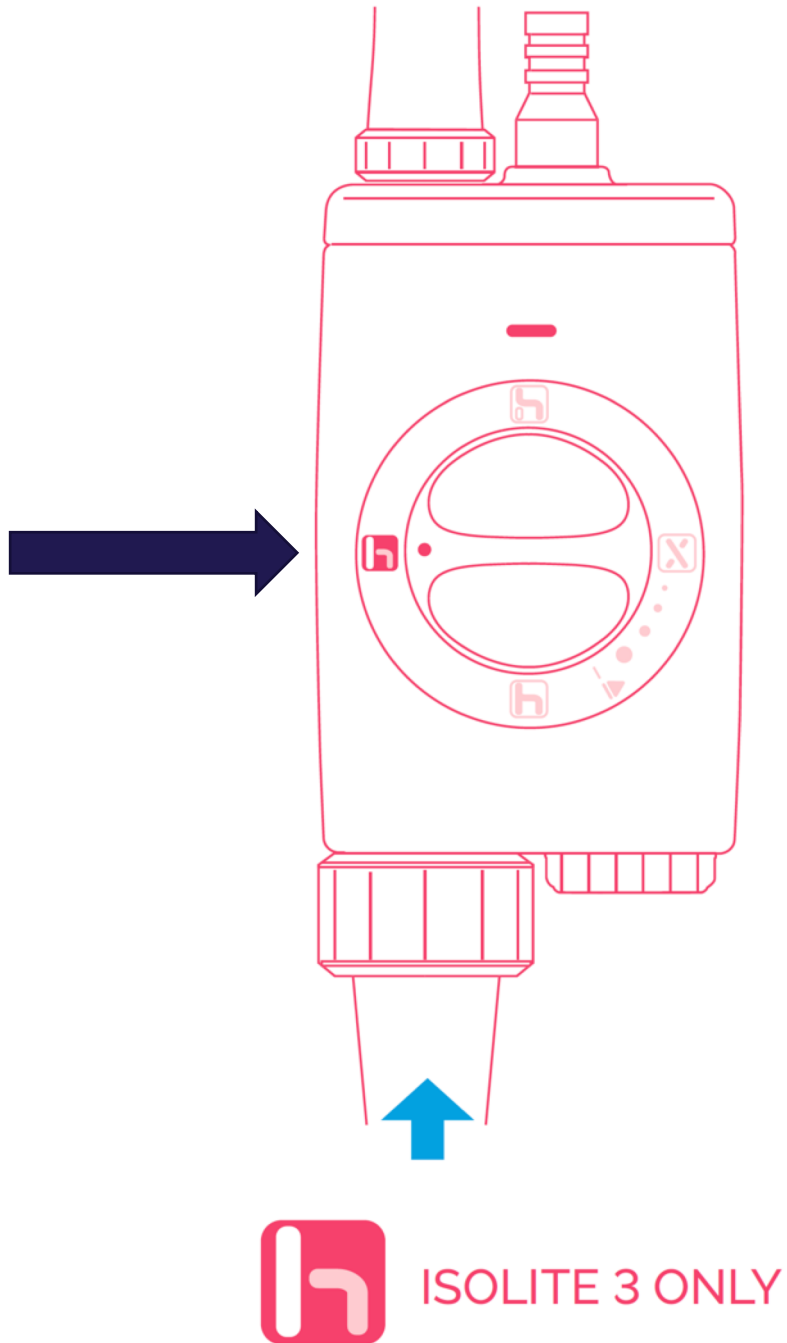
Press the button again to toggle to the cure-safe Amber light mode.



# Using the Power Vacuum Base

To use the Isolite 3, turn the control dial on the PVB to the “9 o’clock” position.

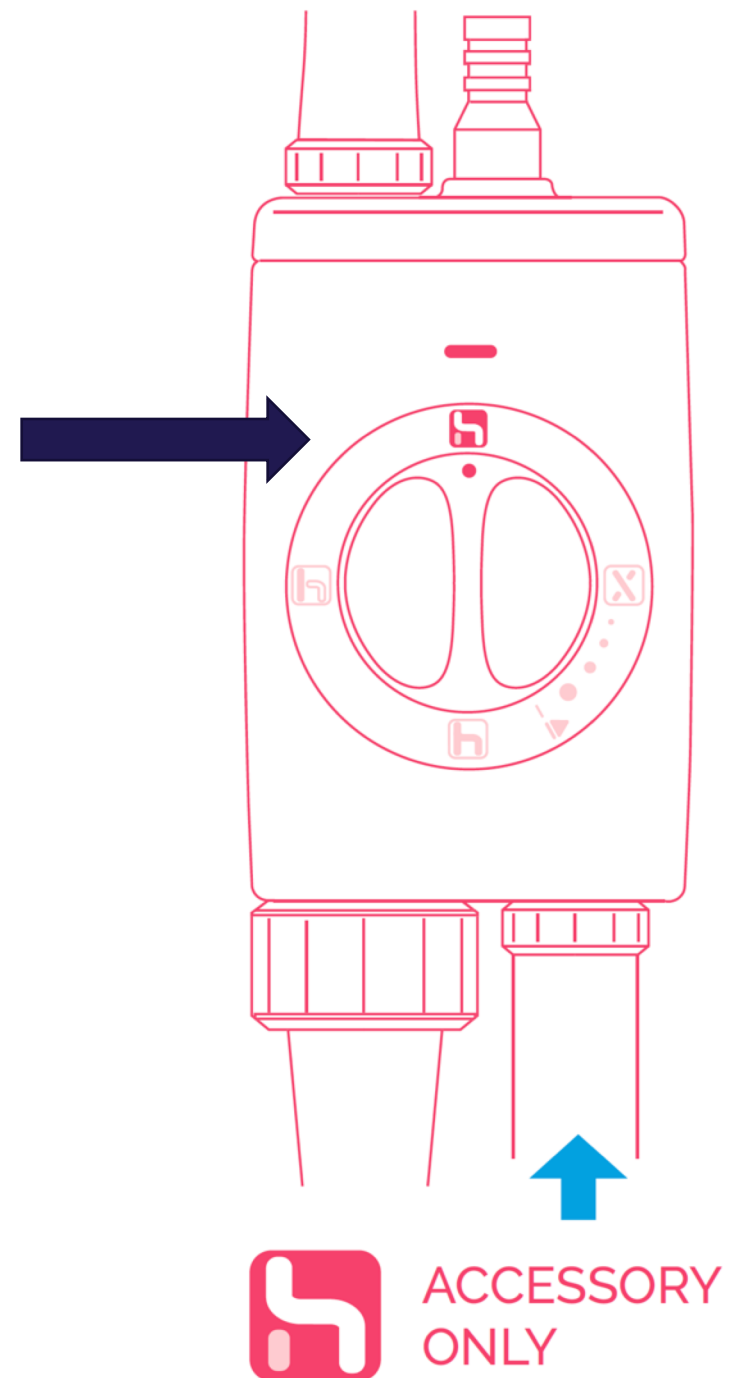
This is the most common setting on the PVB for most practices.

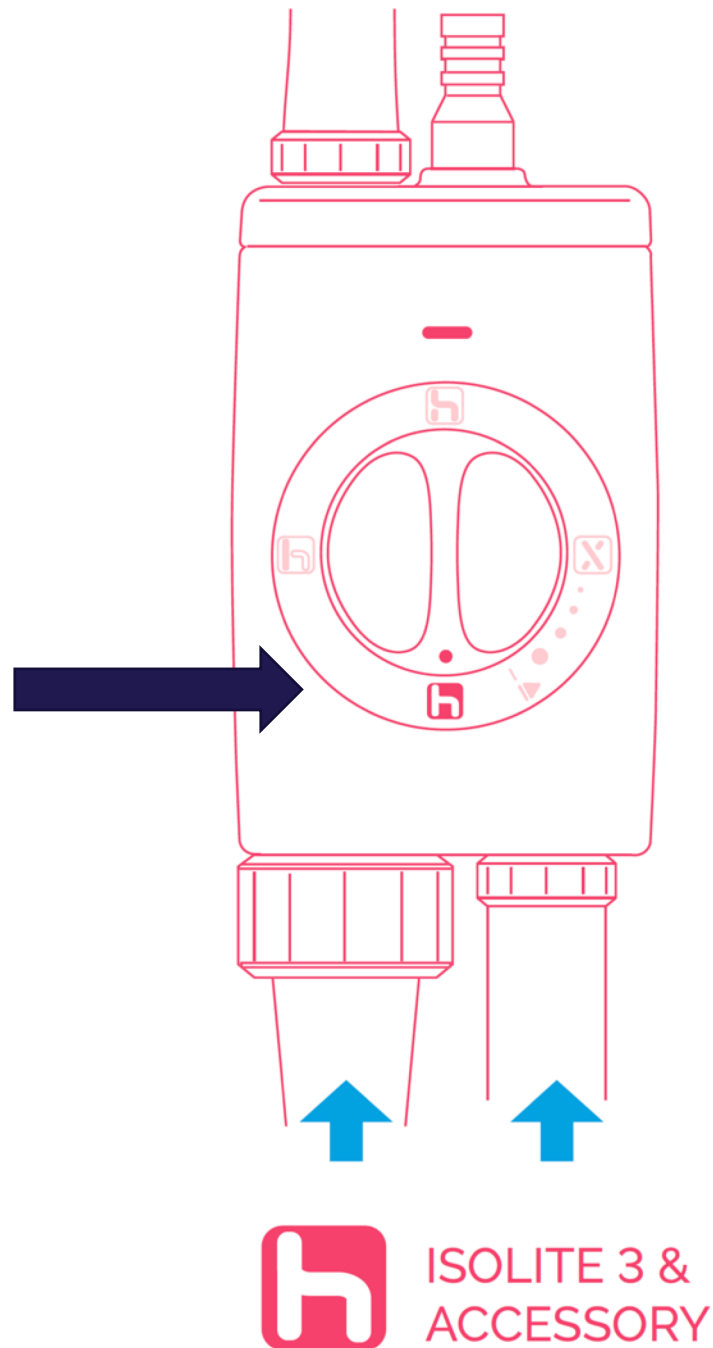


# Using the Power Vacuum Base

Turn the control dial to the “12 o'clock” position to allow suction only through the accessory line.

In this mode, the Isolite 3 will not have any suction.





# Using the Power Vacuum Base

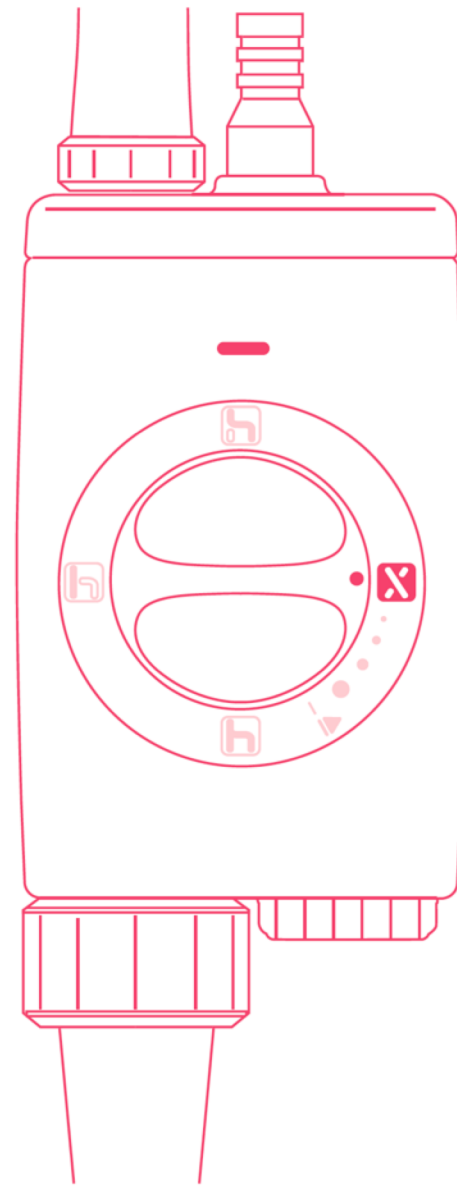
Turn the control dial to the “6 o’clock” position to allow suction to pass through the Isolite 3 and the accessory port.

Choose this option when you want to use both the Isolite 3 and another accessory attached to an HVE.

# Using the Power Vacuum Base

Turn the control dial to the “3 o’clock” position to prevent any suction from passing through the PVB.

Choose this option when disconnecting the hose from the PVB.

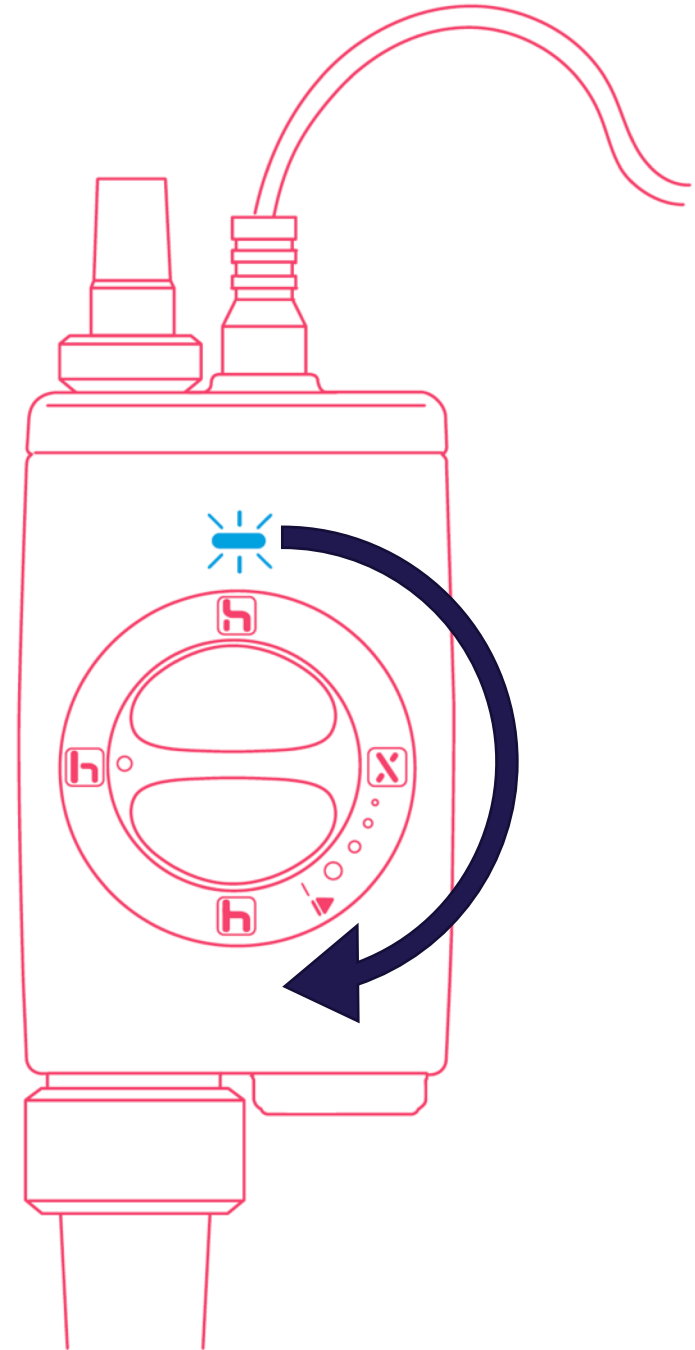


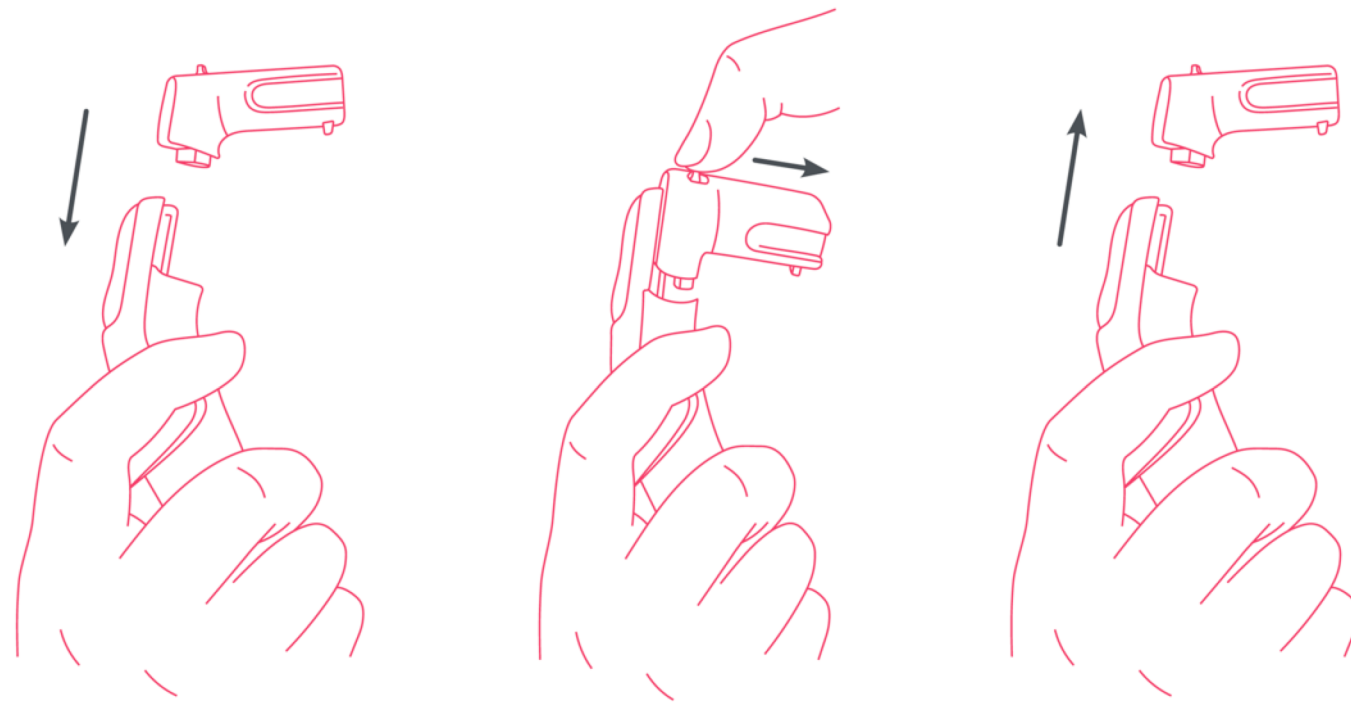
# Removing the Selection Dial

To remove the selection dial, rotate it clockwise past the "Off" indicator.

The dial will stop rotating, lift up on the selection dial to remove it.

To replace, insert the selection dial into the PVB and rotate counter-clockwise.

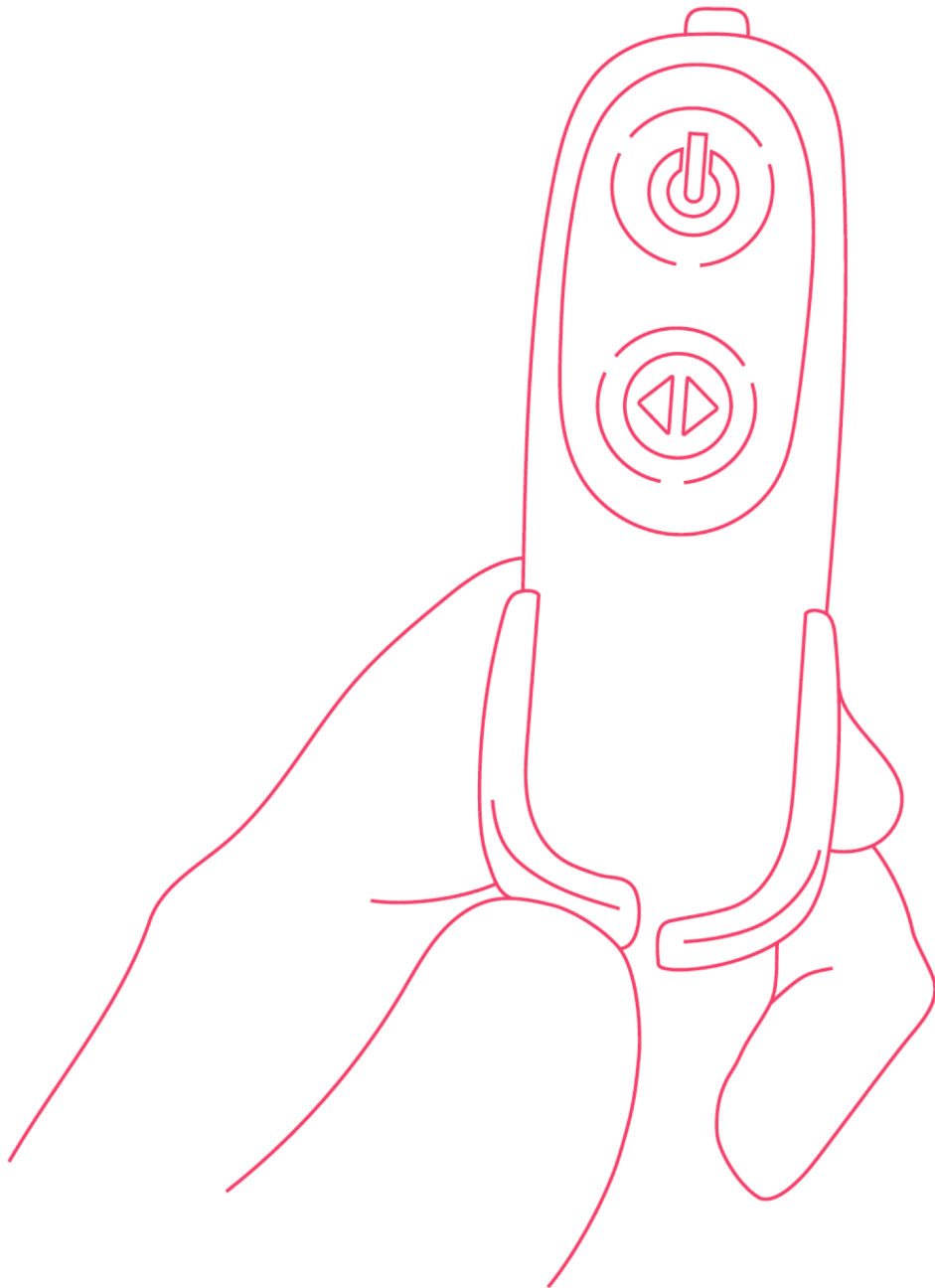




## Connecting and Removing the Vacuum Light Pipe

The Vacuum Light Pipe on the Isolite 3 slides up and down at a slight angle.

When removing a Vacuum Light Pipe for cleaning, press the Easy Release Latch and then lift up on the Vacuum Light Pipe.



# Using the Dual Level Controls

Dual Vacuum Levers adjust suction intensity in both the upper and lower quadrants.

To adjust, rotate the left and right Vacuum Levers to the desired suction intensity for each quadrant. To shut off suction, rotate the levers to the most downward position.



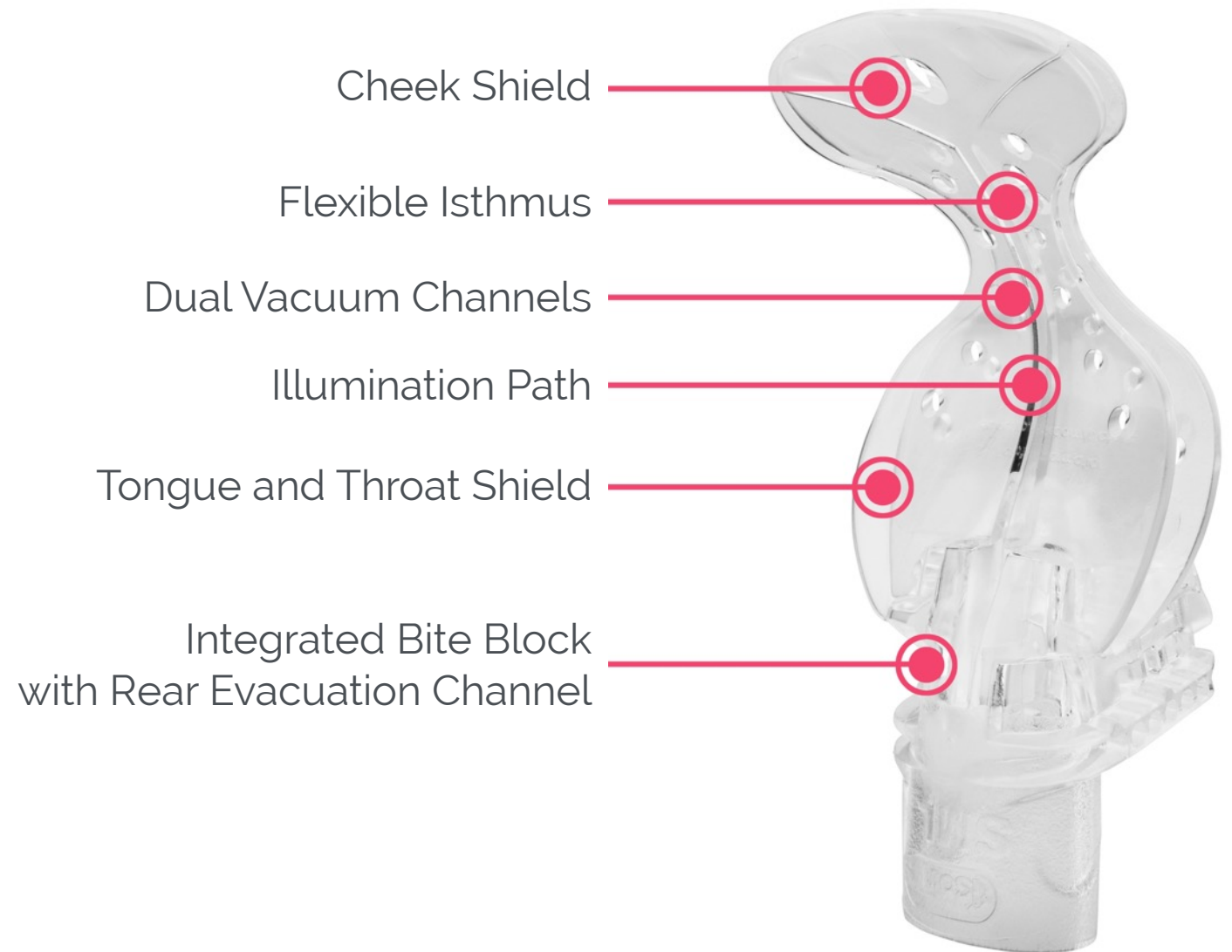
# Mouthpieces



# Anatomy of the Mouthpiece

Each mouthpiece is constructed of polymeric material that is softer than gingival tissue to ensure patient comfort.

The single-use mouthpiece helps manage infection control, foreign body ingestion and non-compliant patients.



# A Size for Every Patient

Mouthpieces come in six sizes designed to fit the widest range of patients, giving you easy and effective isolation for patients of all ages, from pediatric to geriatric.



Pediatric  
Tongue Shield 47 mm  
Bite Block 25 mm



Extra Small  
Tongue Shield 49 mm  
Bite Block 27 mm



Small  
Tongue Shield 55 mm  
Bite Block 27 mm



Medium  
Tongue Shield 56 mm  
Bite Block 30 mm



Medium DV  
Tongue Shield 57 mm  
Bite Block 30 mm



Large  
Tongue Shield 65 mm  
Bite Block 32 mm



# Sizing & Attaching Mouthpieces



**Pediatric / Extra Small**  
One Finger (< 30mm)

**Small**  
Two Fingers (30mm)

**Medium / Medium DV**  
Three Fingers (30–45mm)

**Large**  
Four Fingers (> 45mm)

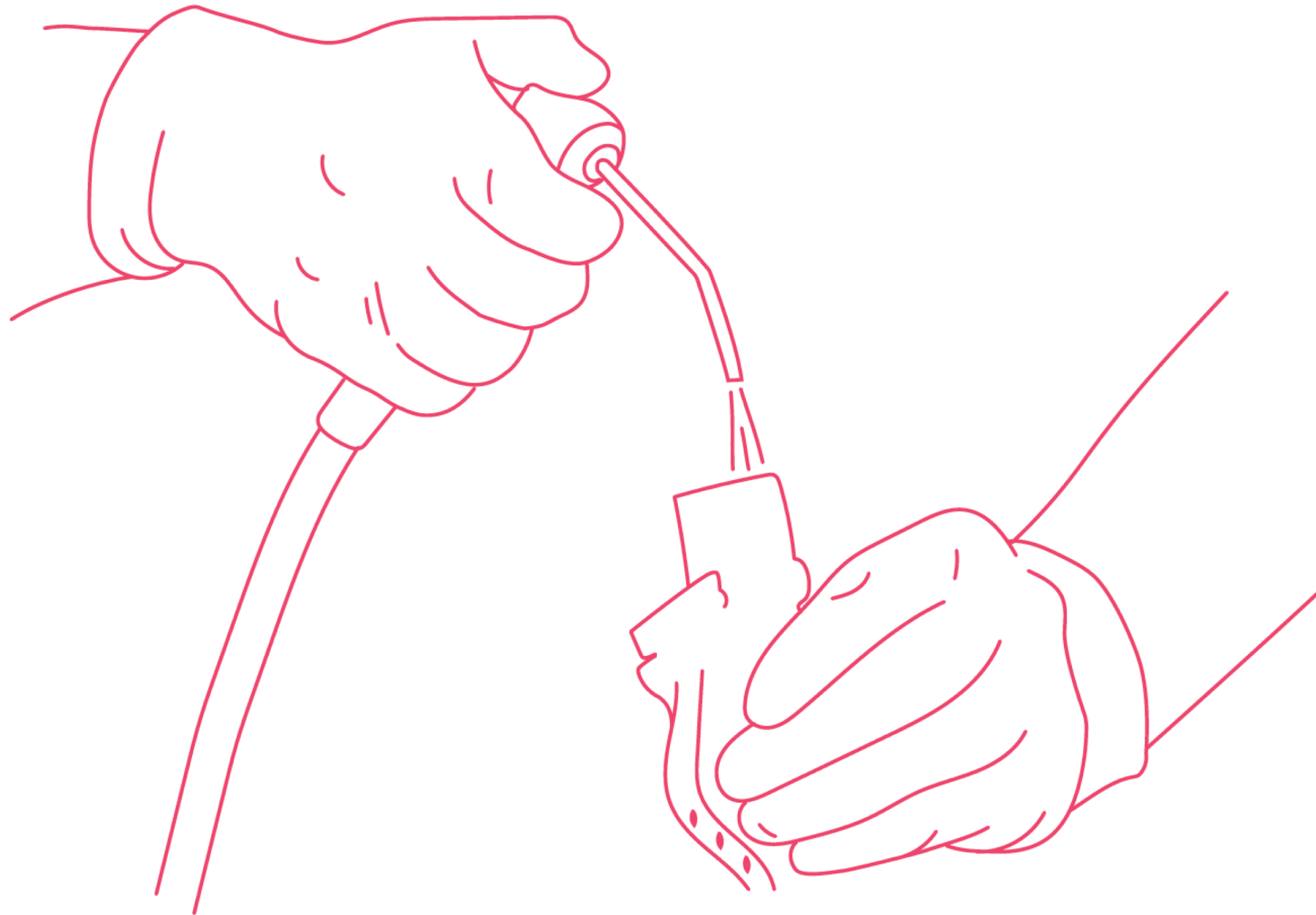
## Mouthpiece Sizing

Instruct your patient to open as wide as they can comfortably. Use your fingers to measure their interincisal opening or use calipers or another measuring device.

Once you have determined a size, open the Mouthpiece bag in front of your patient to assure them it has never been used before.

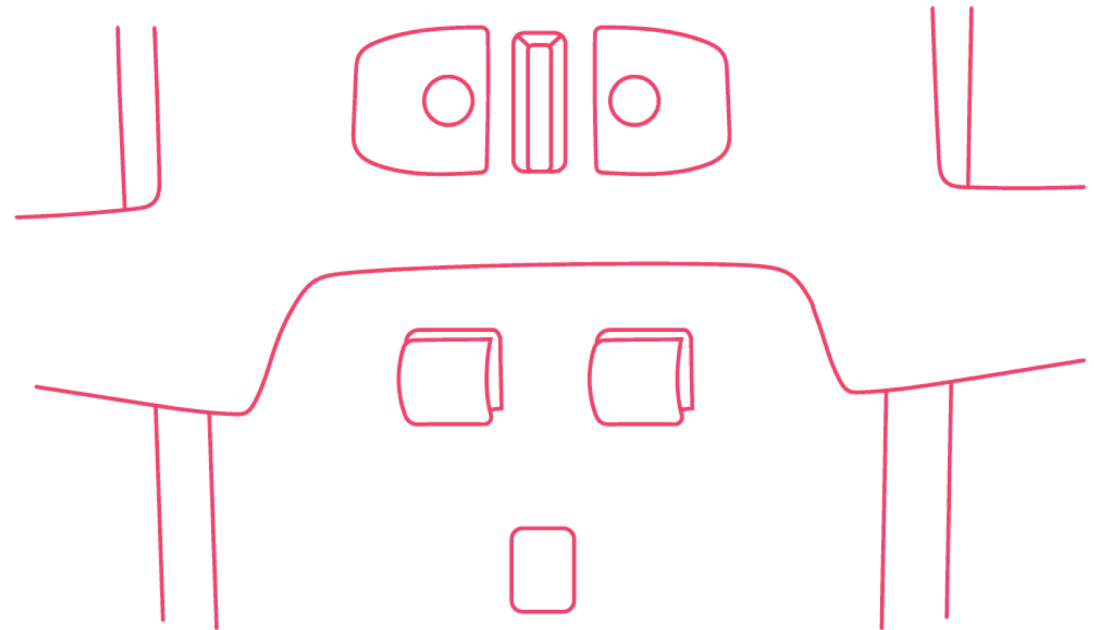
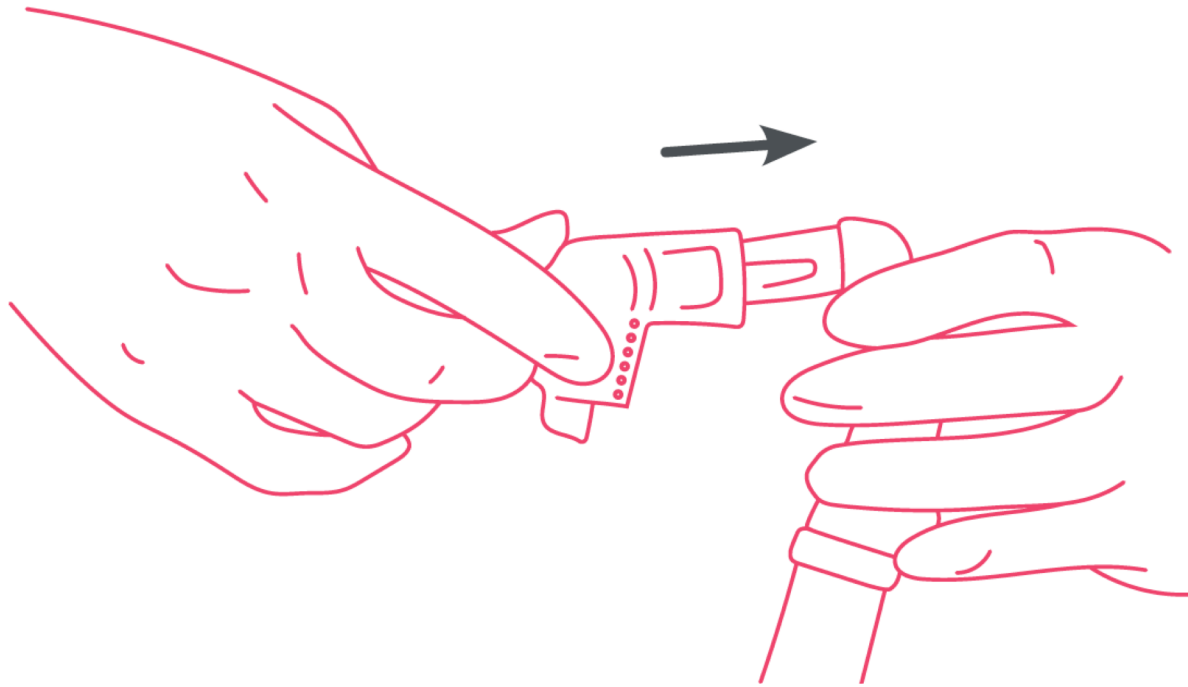
# Attaching the Mouthpiece

Lubricate the inside surface of the Mouthpiece sleeve with water.



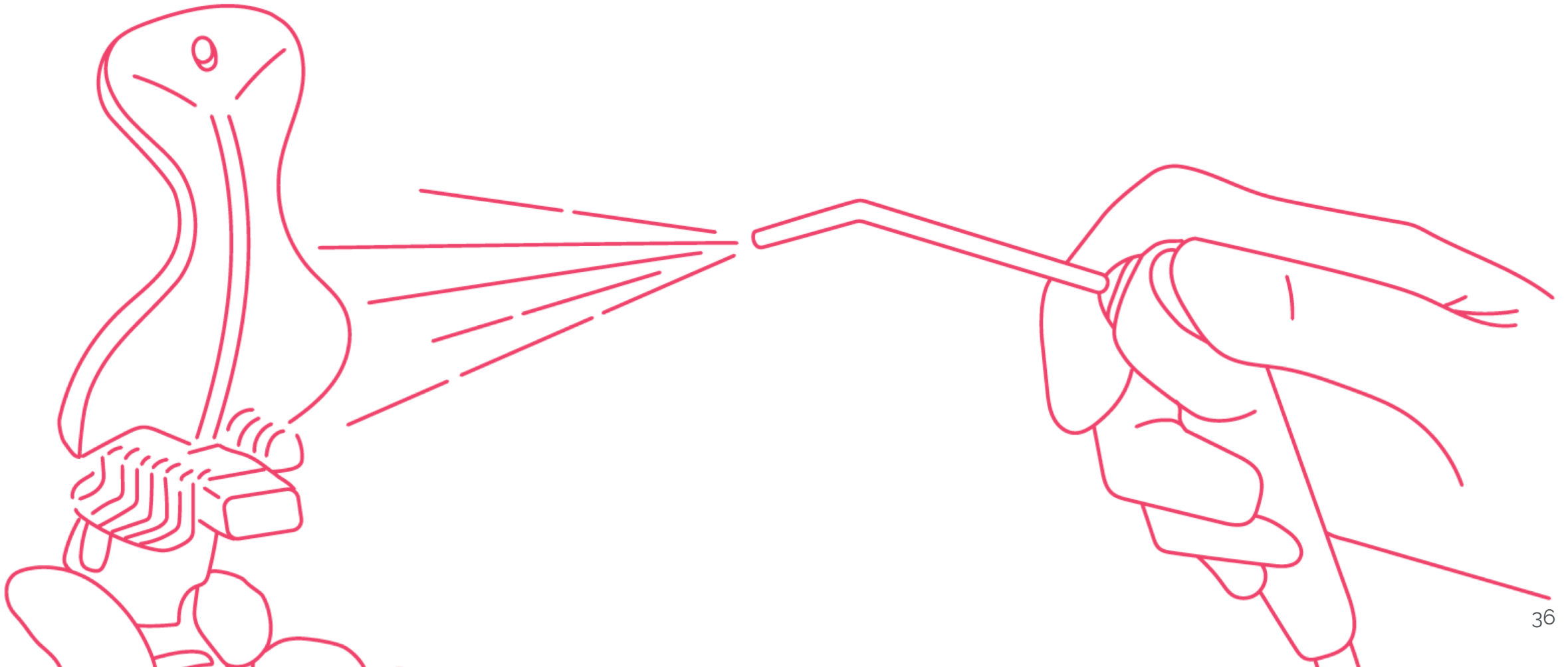
# Attaching the Mouthpiece

Slide the Mouthpiece onto the control head until the two locking barbs engage the matching holes on the Mouthpiece.



# Preparing the Mouthpiece for Placement

Moisten the back of the Mouthpiece with water spray.







# Preparing the Mouthpiece for Placement

Moisten your patient's lips using lip balm.

Moistening the Mouthpiece and lips will aid in easily sliding the Mouthpiece into your patient's mouth.

# Placing the Mouthpiece

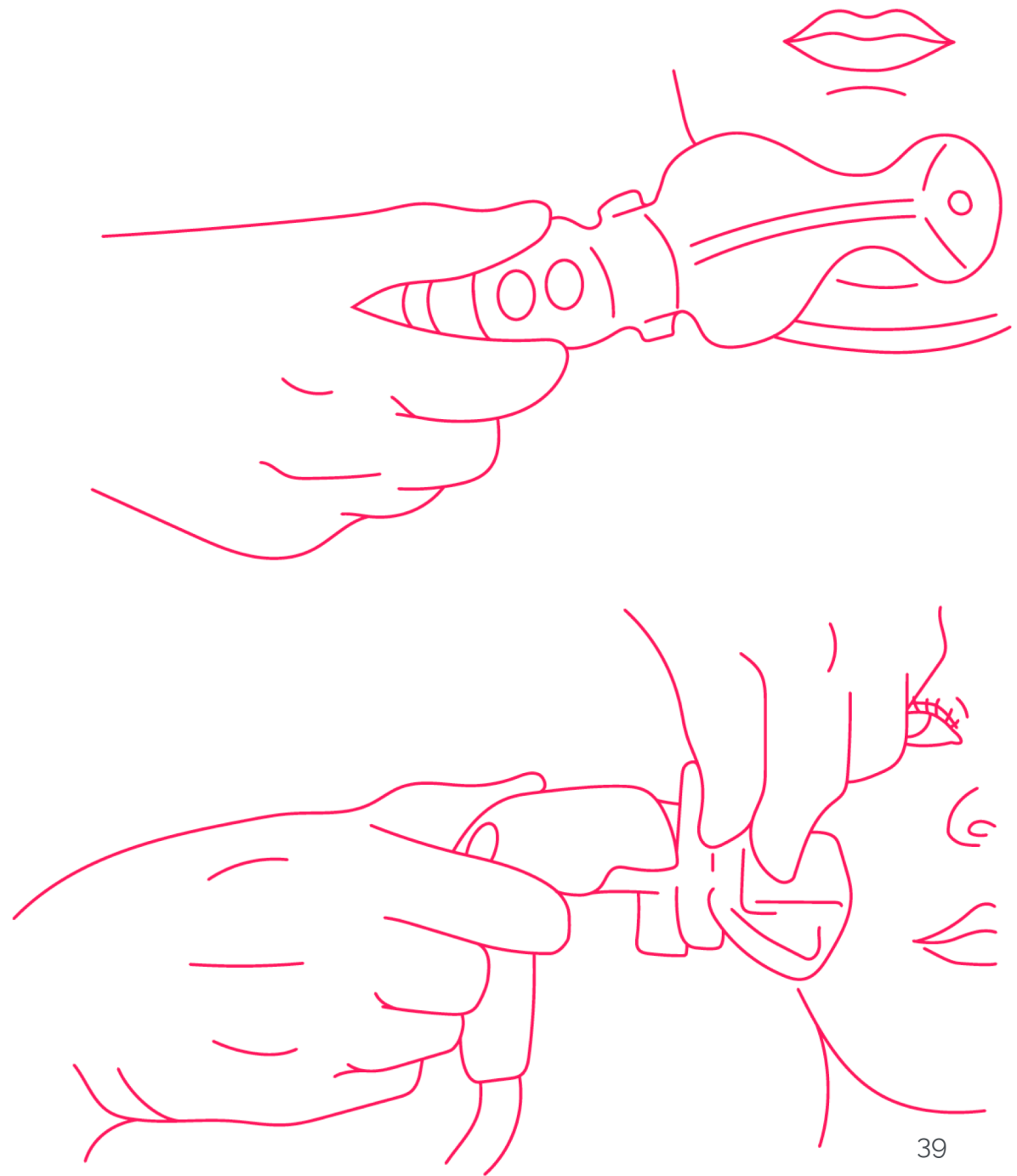


# Mouthpiece Placement

Hold the control head gently between index finger and thumb.

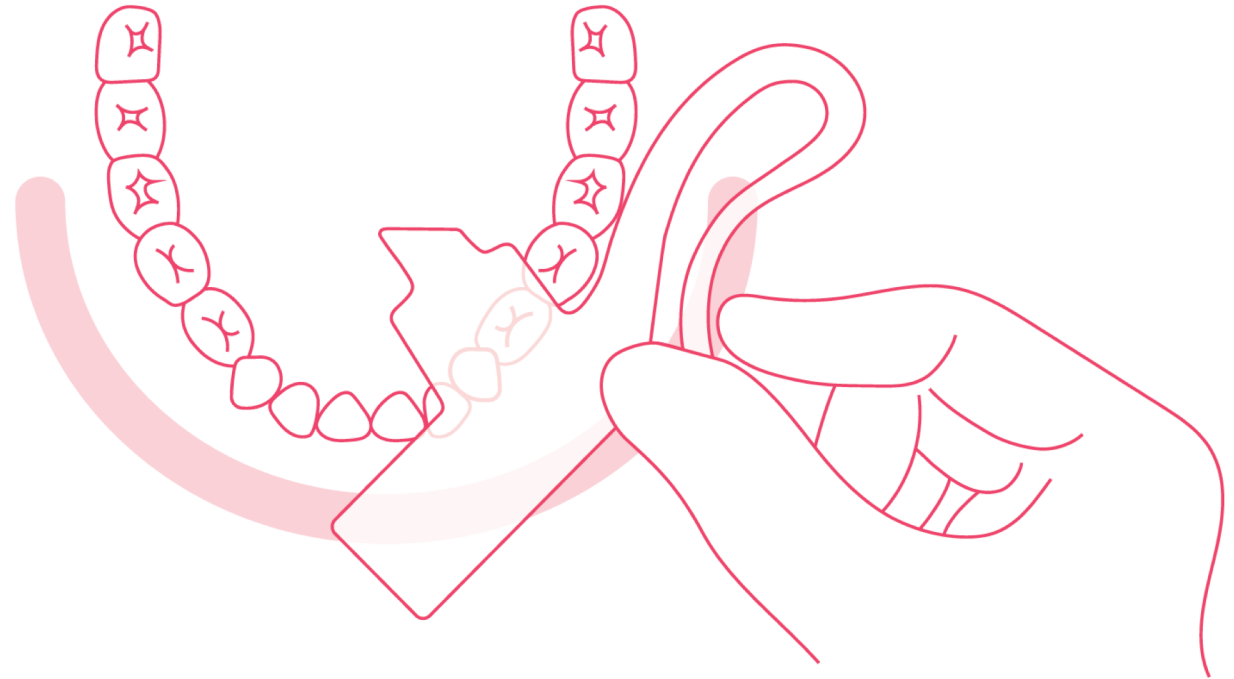
Fold the cheek shield onto the tongue retractor.

Use two hands when placing the Mouthpiece.



# Mouthpiece Placement

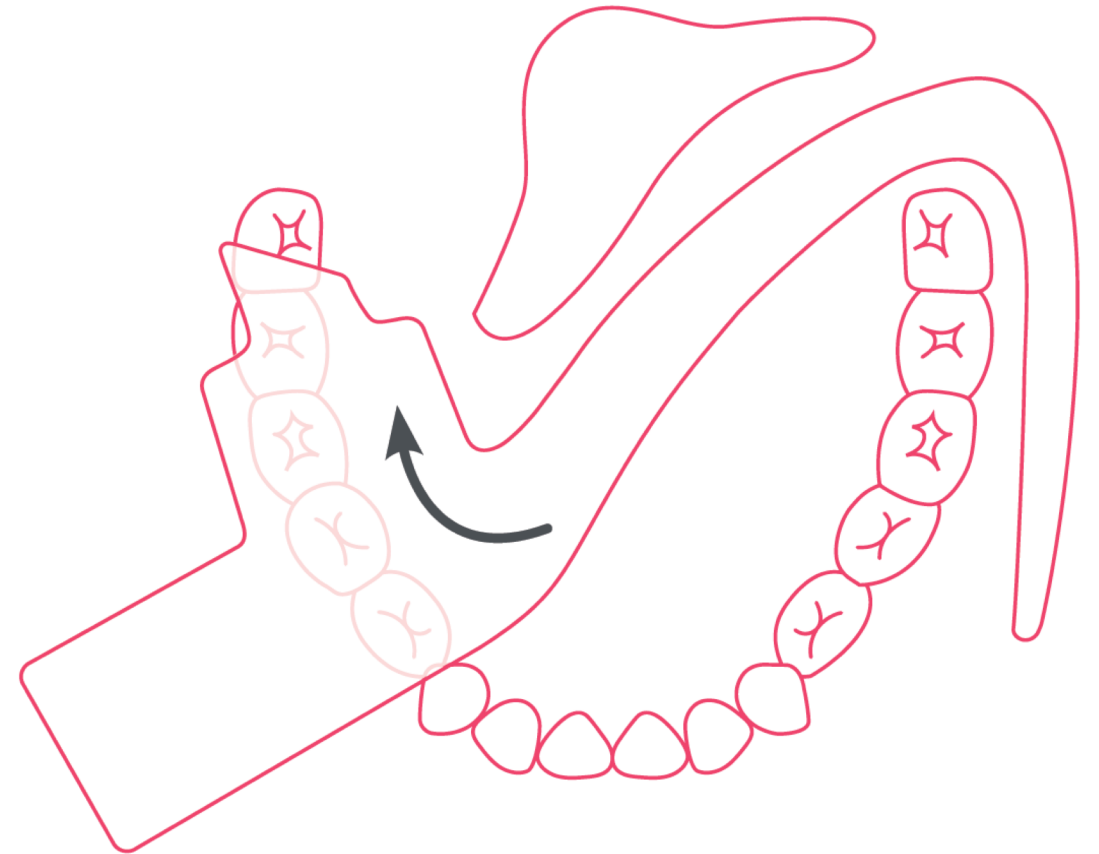
Gently slide the folded Mouthpiece into the buccal vestibule on the side of the mouth to receive treatment, staying buccal to the mandible.



# Mouthpiece Placement

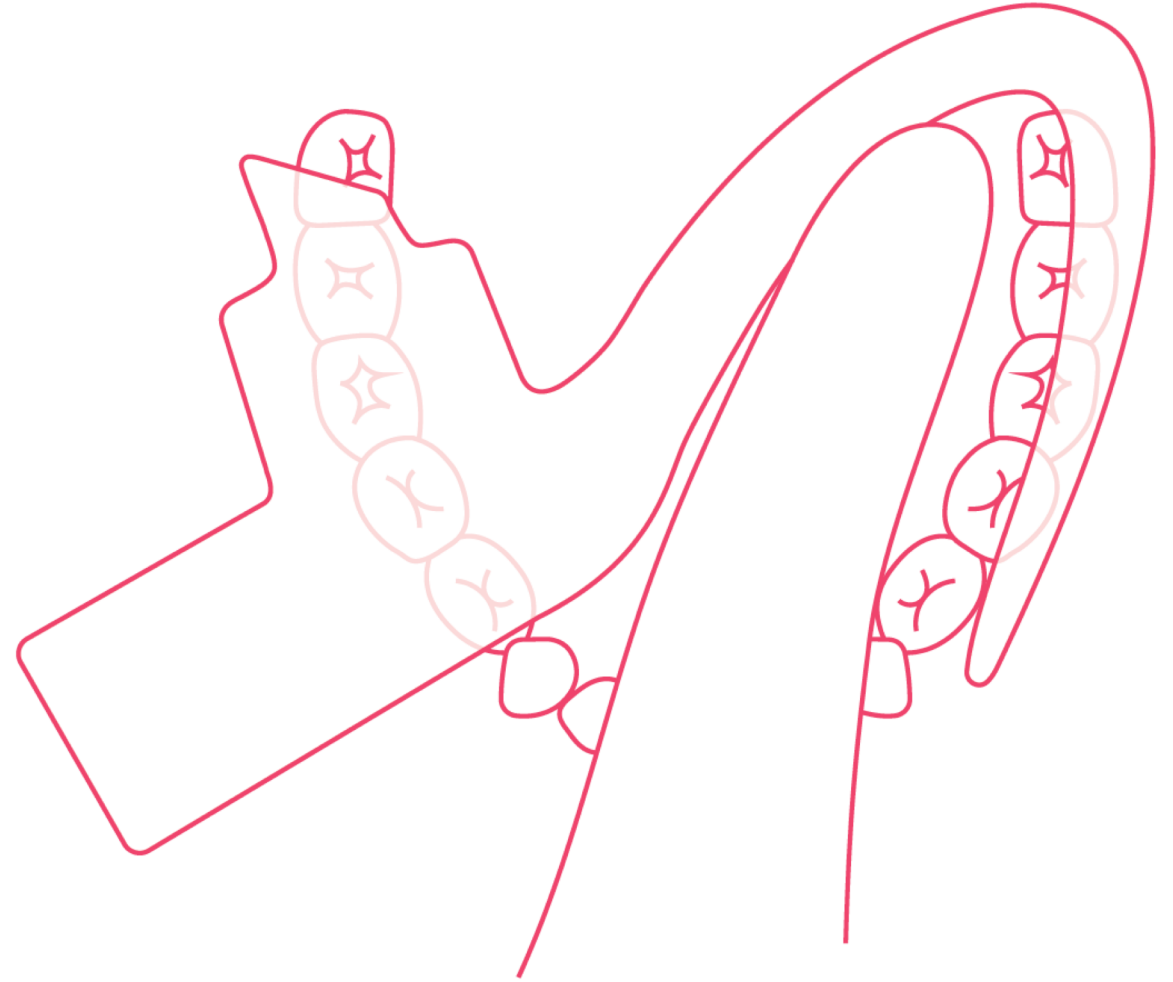
Draw the bite block across the mouth onto the occlusal surface of the teeth opposite the side to receive treatment, distal to the mandibular cuspid.

Instruct your patient to bite down gently.



# Mouthpiece Placement

Place the cheek shield into the cheek and tuck the isthmus onto the retromolar pad.



# Single-Use

The mouthpieces for the Isolite 3 system are single-use only.

- . No risk of cross-contamination
- . Less stress for you
- . Increased patient confidence
- . No time spent cleaning or tracking autoclave cycles and number of times used





# Cleaning & Maintenance





# Disinfecting the Control Head & Hose

Following the manufacturer's instructions for contact time, use an intermediate level disinfectant wipe with a claim to inactivate *Mycobacterium tuberculosis*.

Otherwise, use a hospital-grade disinfectant on all surfaces of the Control Head and the Control Head Hose to remove all visible biomatter and debris.



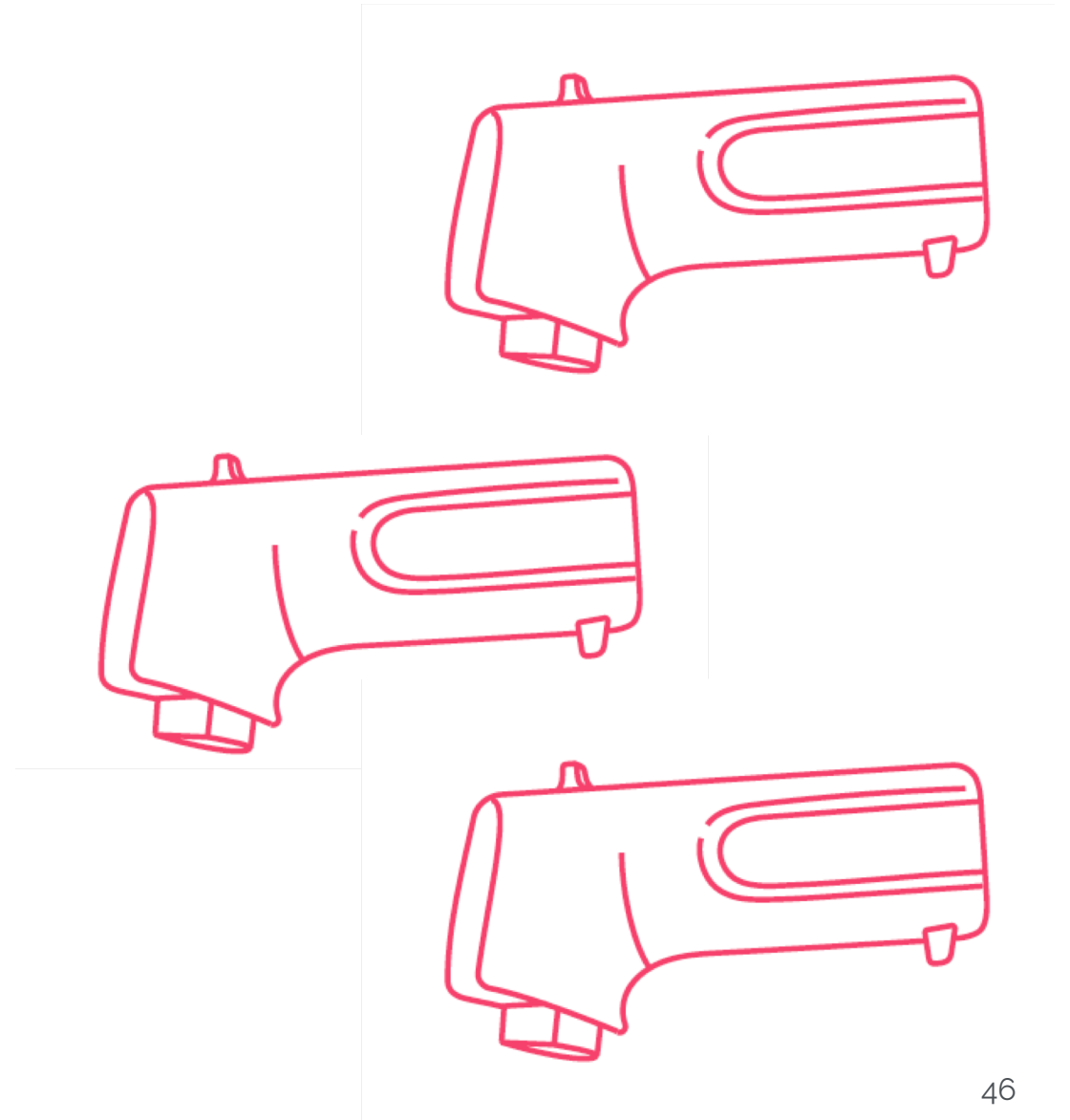
# Sterilizing the Vacuum Light Pipe

**Zyris recommends sterilization of the Isolite 3 Vacuum Light Pipe between each patient.**

Remove biomatter and other debris from the suction channels using a brush with a neutral pH (6.5-7.5) enzymatic cleaning solution.

**Do not use solution to hold parts.**

After cleaning, rinse with tap water, dry and place components in an autoclave pouch to be sterilized in a steam autoclave. Use validated sterilization cycles



# Validated Sterilization Cycles

Cycle	Temperature	Minimum Exposure Time	Minimum Drying Time
Standard	121 °C / 250 °F	30 min	30 min
Standard	126 °C / 259 °F	10 min	30 min
Standard	132 °C / 270 °F	15 min	15 min
Prevacuum	132 °C / 270 °F	4 min	20 min
Prevacuum	134 °C / 273 °F	3 min	20 min

*\* Please refer to the Instructions for Use that are included with your Isolite 3.*



## Disinfect the hose

Isolite 3 has a new attachment that connects directly to disinfection/cleaning canisters, making line cleaning simple and efficient.



# Additional Resources



## ISOLITE 3 DOCUMENTATION

The printed Quick Start Guide and Instructions for Use included with the Isolite 3 can be used to train new team members.



## ADDITIONAL TRAINING

We are happy to train new team members who join your practice and provide additional training for existing staff to maintain their proficiency.



## MOUTHPIECE QSG

The Quick Start Guide for mouthpieces contains pictures and instructions for sizing and placing mouthpieces.



## VIDEOS

There are several free training and procedural videos available at [www.zyris.com/support](http://www.zyris.com/support).

# Summary



## PREDICTABILITY

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## PRODUCTIVITY

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Q&A





THANK YOU!