### **Dental Isolation and Aerosol Control**



# DryShield®

# **Instructions For Use**

DS1 Isolation System DryShield<sup>®</sup>Autoclavable Mouthpieces

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**User:** DryShield<sup>®</sup> is intended to be used by a dental professional

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### Product Contents $\land \land \land \square$



### **DS1** Installation



**Twist off standard HVE** with attached coupler from hose.\*



**Attach DS1 to existing** hose by twisting into place.



**Place DS1 with attached** hose onto the assistant toolbar.

## Portable Operatory Kit Installation<sup>3</sup>



Attach one end of portable kit to standard HVE.

### **Y** Connector Installation



**Attach DS1 to other** end of portable kit.



dard HVE hose from main canister. hose to canister's port.

hose to one end of the Y Connector. to the other end of the Y Connector.

\* Confirm dental air compressor and vacuum system are operating prior to using DryShield<sup>®</sup>.

\*\* Included with DryShield<sup>®</sup> Isolation System

### Section 2 Mouthpiece Setup

### Step 1: Connect

**Connecting Mouthpiece** 



Spray a mixture of air and water from syringe into the inner lining of the mouthpiece connector.



Slide and twist lubricated mouthpiece using a rocking motion onto DS1 until it locks into place underneath.

# Step 2: Place

**Placing Mouthpiece** 



Fold tail in towards the center of the mouthpiece.



Fold tail and outside edges together towards the center of the mouthpiece with one hand while using the other hand to control the bite block and DS1.



Slowly insert in the center of the mouth, lining up the bite block's anterior edge to distal of the canine (For kids, midline of the primary lateral).



Release the mouthpiece, allowing the tail and outside edges to fall back into its natural position.



## Step 3: Fit

#### **Fitting Mouthpiece**



Use finger pressure to adapt the cheek retractor along the inner surface of the cheek. Adapt the transition area along the distal part of the most posterior molar. Adapt the tongue shield along the inside of the lingual surfaces of the posterior teeth into the lingual vestibule.



Place bite block distal to the maxillary canine and have patient bite down onto bite block.



Make sure outline of mouthpiece fits comfortably in patient's mouth.



Release the mouthpiece, allowing the tail and outside edges to fall back into its natural position.



Too small



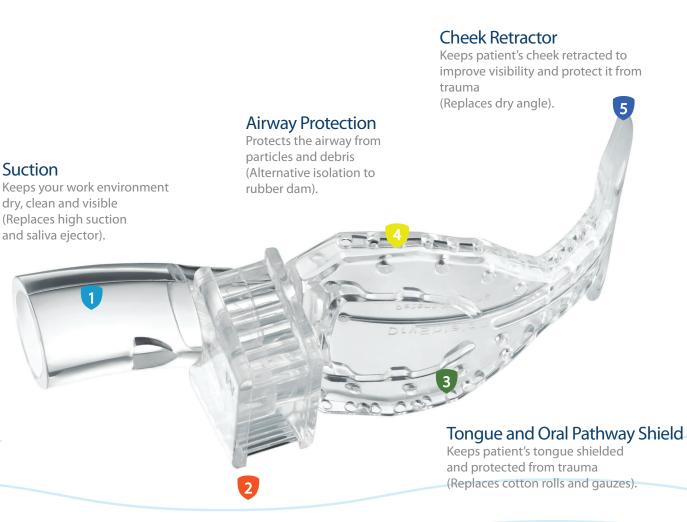
Too big

### Section 3 The Autoclavable Mouthpiece



Easy-to-Insert Design

Mouthpiece can be inserted in a few seconds, and removed even faster.



#### Interchangeable Bite Block

Improves access and maximizes patient comfort to accommodate every mouth size.

### Interchangeable Bite Block

Attaching Bite Block



Line angle of bite block strap with the angle of strap region on mouthpiece.



Slide bite block onto mouthpiece, ensuring that the plug is locked in place and the strap lies flush with the mouthpiece.\*

#### **Detaching Bite Block**



Pull bite block from the plug until bite block is detached from it.



Slide bite block strap from mouthpiece.

\*While most patients will fit the same size bite block as mouthpiece, DryShield<sup>®</sup> bite blocks are interchangeable so you can accommodate all patients. For example, for a patient with limited opening, go down a bite block size.

<b>Mouthpiece</b> S	izes	
Size	Age Consideration	Mouthpieces are sold separately and are available in 4 different sizes:
Pedo	7–8 years of age and younger	- Mouthpiece Pedo 4-pack - REF DS-MPP- 002
Small	8–9 years of age to young teens	Mouthpiece Small 4-pack
Medium	Teens to adults	Mouthpiece Medium 4-pack
Large	Adults	- REF DS-MPM- 004 Mouthpiece Large 4-pack REF DS-MPL- 005

### **Cleaning, Sterilization and Maintenance**

#### **Things You Should Know**

The DryShield<sup>®</sup> DS1 is made from a high heat-tolerant material, and the DryShield<sup>®</sup> mouthpiece is made of an autoclavable silicone material. All DryShield<sup>®</sup> components are completely autoclavable. DryShield<sup>®</sup> recommends following standard infection control protocols for sterilization.

#### DryShield® DS1

- After completion of dental procedure, DryShield<sup>®</sup> recommends running the DryShield<sup>®</sup> DS1 with a non-corrosive, pH neutral enzymatic cleaning solution and performing a surface disinfection with a disinfectant wipe between each patient. Users have the option to sterilize the DryShield<sup>®</sup> DS1.
- Maintenance of the lever o-ring is done through visual inspection. Replace o-ring when lever function decreases.

#### DryShield® Autoclavable Mouthpiece

- After completion of each dental procedure, detach mouthpiece from bite block and place both in ultrasonic cleaner for 15 minutes.
- Next, clean the separated mouthpiece and bite block of debris by thoroughly scrubbing with soap and water or a detergent solution.
- Clean the inside of the mouthpiece through access at the slit opening and at the suction connector region using a long-handled brush and thorough scrubbing.
- Then, rinse under running water, air dry and place in autoclave pouch to be sterilized.
- The DryShield<sup>®</sup> Mouthpiece MUST BE sterilized between each use. Sterilize in a steam autoclave machine at minimum 121 °C (250 °F) for a minimum of 30 minutes. Allow a minimum of 30 minutes in drying cycle.

The sterilization parameters for the DryShield Mouthpiece are found below.

Cycle Type	Parameter	Minimum Set Point
Gravity 250° F (121°C)	Exposure Temperature	250° F (121°C)
	Exposure Time	30 minutes
	Dry Time	30 minutes

DryShield<sup>®</sup> Autoclavable mouthpieces are autoclavable up to 50 times.

### **Sterilization Guide**



Detach bite block from mouthpiece.



Place mouthpiece and bite block in an enzymatic cleaning solution and utrasonicaly bath for 15 minutes.



Place bite block and mouthpiece into autoclave bag and seal.



Scrub both for 1 minute with a small brush (e.g. toothbrush) using soap and water, including inside the neck and slit of mouthpiece. Invert under water and check for removal of all debris.



Rinse under running water for 1 minute scrubbing any desbris and ultrasonic solution residue with a soft brush, then lay on a cloth to dry.



Use a Gravity type Sterilizer (Steam) at 250°F (121°C) for 30 minutes, followed by a 30 minute drying cycle.

When the mouthpiece begins to take on a perceptible tint, it is an indicator that it is time for disposal and replenishment.

### Precautions

Ń	<b>CAUTION:</b> Do not use DryShield <sup>®</sup> until you have reviewed the user guide, watch the training videos, and/or have received our phone training on how to install into the operatory room, how to
	select and place the mouthpiece size correctly, and how to clean and sterilize it. <b>CAUTION:</b> It is recommended to flush the mouthpiece with water from time to time for dental procedures involving high evacuation of blood to avoid decrease in suction power.
Î	<b>CAUTION:</b> Do not autoclave the DS1 at temperatures above 121 C as it may damage it.
	<b>CAUTION:</b> Do not overextend the bite block strap or at the mouthpiece slit opening as it may tear or break it.
	<b>CAUTION:</b> Do not step, crimp, or fold the suction hose in any way as that could cause loss of suction power.

### **Autoclavable Mouthpiece**

#### Warnings



/!		WARNING:	Do r	not use	the	mouth	piece	if p	ackage	seal i	s broken	, open	or c	damaged	
				100000			piece	· · P	acrage	50011	5 101 01(01)	, open	0.0	annageo	

- WARNING: Do not cold sterilize the mouthpiece. All DryShield<sup>®</sup> mouthpieces MUST be cleaned and autoclaved following the instructions for use after each patient use.
- WARNING: Do not use surface disinfectants on the mouthpiece. All Autoclavable DryShield<sup>®</sup> mouthpieces MUST be cleaned and autoclaved after each use.
- WARNING: Do not attach the bite block to the mouthpiece when autoclaving. Bite block and mouthpiece are to be detached and placed into the same sterilization bag during autoclaving process.
- WARNING: Do not use if there is a tear, fracture, or breakage in the mouthpiece or DS1.
- WARNING: When using DryShield<sup>®</sup> during sedation dentistry, patient monitoring and following established guidelines and procedures by the dentist and anesthesiologist are required.

### Troubleshooting

We're Here to Help





Solmetex Sterisil DryShield

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