



Purevac® HVE System with Mirror Tips and Hose Adapter

User Adaptation Guide

This quick reference guide is not intended as a replacement for a Directions for Use Manual (DFU) for any products shown. Always check your manufacturer's guidelines for recommended use of equipment.

Learn more at dentsplysirona.com

Advantages of Using HVE

Procedures that generate aerosols and splatter can present safety risks for all patients and dental professionals. At Dentsply Sirona, we are dedicated to reducing aerosols in your work environment—every day, during every procedure.

Aerosol Reduction



The most common reason for dental professionals to miss work is respiratory infection.¹



The use of high volume evacuation has been shown to reduce aerosols that are generated during ultrasonic scaling by 90%.²

Grasp & Adaptation Techniques

Proper hand and arm positioning during procedures contributes to less muscle strain and fatigue. The following grasps have been identified as a way to ensure good alignment and will help to reduce poor ergonomics. [Watch the Grasp Technique video here.](#)

Purevac HVE Hose Adapter



When using the Purevac HVE hose adapter, Dentsply Sirona recommends utilizing a light balanced grasp.



This grasp allows you full rotation of the 360-degree swivel adapter.

Traditional HVE Hose



When directly connecting the Purevac HVE mirror tip to an existing HVE valve, A palm grasp may be needed to support the weight of the hose.



This type of grasp will facilitate retraction and fluid management.

Grasp Not Recommended



Holding the mirror tip in an over the top manner, will limit the use of the 360 degree rotation of the device.



This may also restrict maneuverability and compromise ergonomics during use and is **NOT RECOMMENDED.**

Fluid Management Recommendations

Procedures such as Ultrasonic Scaling, create additional fluid and in some cases, these residual fluids can pool in areas of the mouth that are more complex to retrieve. The following are techniques to assist in capturing those residual pockets of water.

[Watch the Fluid Management video here.](#)

Purevac HVE with Rocking Technique



The Purevac HVE system or mirror tip will aid in fluid control at the work site however, as with any standard HVE it may be necessary to retrieve excess fluid.



To improve fluid control at the work site, it may be helpful to “rock” or tilt the opening towards the water source.

Purevac HVE with Dip and Go Technique



To capture residual fluid at the retromolar pad area, we recommend a “dip and go” technique.



To do this, rotate the opening of the tip over the occlusal surface of the molars and allow the device to remove any excess fluid.

Purevac HVE with Coiled Saliva Ejector in Cheek



If you are unable to perform the “dip and go” technique, these next few tips maybe beneficial for fluid management.



You can utilize a standard saliva ejector in the corner of the mouth.

Purevac HVE with Saliva Ejector



Or another option, leave the Purevac HVE system on as you pause to use a standard saliva ejector to remove residual fluids.



Keeping the Purevac HVE system on during and after the procedure, will create an environment of fewer potentially harmful aerosols.

Visibility, Illumination and Retraction

Utilizing the Purevac HVE mirror tips for suction and visibility gives you two instruments in one hand. This one-handed approach improves efficiency for various procedures. The following tips will assist with keeping the mirror tip clear from water droplets and debris.

[Watch the Visibility and Illumination video here.](#)

Coat Mirror with Saliva from Oral Mucosa



The Purevac HVE's mirror is designed for visibility in areas of the mouth where you cannot see with direct vision. As with any dental mirror, providing a surfactant on the mirror surface will allow water to clear.



Prior to turning the device on, coat the mirror with saliva from the inside of the patient's cheek.

Polish Mirror Head with Fine Prophylaxis Paste



In cases with dry mouth, we recommend polishing the mirror with Nupro® Extra Care fine prophylaxis paste.



Rinse the prophylaxis paste from the mirror prior to use.

Illumination



The mirror of the Purevac HVE tip also provides the clinician with illumination to the treatment areas.



Cheek and Tongue Retraction



Improved cheek retraction over saliva ejector during ultrasonic scaling procedures.



Provides improved patient comfort over standard HVE tip for retraction of the oral mucosa.

1. Christensen , R., PhD. (2006, November 1). Aerosols. Retrieved January 23, 2018, from <http://www.dentistryiq.com/articles/wdj/print/volume-4/issue-10/you-and-your-practice/aerosols.html>
2. Jacks MJ: A laboratory comparison of evacuation devices on aerosol reduction. J Dent Hig 2002, 76, 202-206.

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