

Example Types of Air Purification Products Tested by TRAC Research

Product Type	Example Product (alphabetical by brand name)	Approx. Cost	Advantages	Disadvantages
<p style="text-align: center;">EXTRA-ORAL SUCTION (pulls air through HEPA filters & UV disinfects filter)</p>	 <p style="text-align: center;">Aegis Aerosol VacStation CAO Group Website: caogroup.com Phone: 877-877-9778</p>	\$1,999	<ol style="list-style-type: none"> 1. Can suction aerosols close to oral cavity & block some splatter with shield (hood). 2. Rheostat adjusts to manage noise (but lower power setting decreases efficacy). 3. Portable— wheels allow easy mobility. 	<ol style="list-style-type: none"> 1. Noise annoys clinicians & patients & makes conversation difficult to impossible. 2. Clinicians must learn to work around or through the transparent hood, which must be close to the work zone. 3. Requires filter monitoring & changing.
<p style="text-align: center;">CEILING HUNG HEPA FILTER (releases purified air directly into breathing zone of clinicians)</p>	 <p style="text-align: center;">ECM Phantom Gordon Cleanroom Products Website: gordon-inc.com Phone: 800-747-8954</p>	\$1,295	<ol style="list-style-type: none"> 1. Provides <i>very clean</i> air directly within <u>DDS-DA breathing zone</u> during treatment. 2. Low noise & no interference with DDS-DA work zone. 3. No filter changes, entire unit is replaced about every 5 years by unsnapping chains at 4 corner rings. 	<ol style="list-style-type: none"> 1. Hung from ceiling, which may require ceiling reinforcement in some offices. (total weight = ~ 100 lbs) 2. In some offices, may compete with ceiling lights, operatory light, monitor brackets, etc. Use of head lamp mitigates this problem.
<p style="text-align: center;">HEPA FILTER CONSOLE UNIT (located as close as possible to operating zone)</p>	 <p style="text-align: center;">HealthMate Plus Austin Air Systems Website: austinair.com Phone: 800-724-8403</p>	\$715	<ol style="list-style-type: none"> 1. Can provide high air movement, but is not aimed specifically at treatment site. 2. Portable— wheels allow easy mobility. 	<ol style="list-style-type: none"> 1. Should be elevated to head height of patient using a counter or pedestal for optimum air clearance during treatment. 2. Design is best suited for general air clearance over time, ie: office reception area rather than operatories. 3. Requires filter monitoring & changing.

