
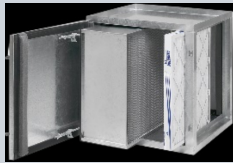




# Product Comparison Chart

	Mobile HEPA System	In Duct HEPA filter	Surface Disinfection	Aerobiotix In-Room Air Disinfection
UV HEPA Technology Comparison				
Function	To provide clean air into a room and filter out air particulates	To provide clean air into a room and filter out air particulates	To secondarily terminally disinfect hard surfaces after personnel terminal cleaning	To produce <b>non-turbulent, continuous disinfection of the air</b> with UVC lamps and HEPA filtration
Type of disinfection	Removes particulates without deactivating viable contaminants	Removes particulates without deactivating viable contaminants	External UVC disinfection of surfaces. <b>Does not deactivate contaminants in the air.</b>	Internal UVC and HEPA disinfection of air
Technology used	HEPA-like filter	HEPA filter	UVC lamps	<ul style="list-style-type: none"> <li>• Internal UVC lamps</li> <li>• Photolytic Chamber</li> <li>• HEPA Medical Grade</li> <li>• MERV 11 material and Copper layer Pre-filter cartridge</li> </ul>
Installation Requirement Levels	Low: mobile to desired location	High: HVAC professionals install within HVAC facility structure	Low: mobile to desired location	Low: mobile to desired location
FDA Medical Status	No	No	No	FDA Class II Medical Device
Maintenance Requirements	Low	Medium: requires HVAC professionals to conduct regular maintenance and replacement filters	High: Personnel required for prepping and monitoring	Low
Training Required	30 minute training on basic functions	HVAC Professionals	Requires extensive training on placement and safety	30 minute training on basic functions
Areas of use	General use	Occupied and unoccupied areas	Unoccupied areas	Surgical procedure areas
Actionable Real-time Data	None	None	UVC dosage	<ul style="list-style-type: none"> <li>• Real time air quality monitor</li> <li>• Temperature</li> <li>• Humidity</li> <li>• UV and HEPA life indicators</li> <li>• Lifetime run hours</li> </ul>

## Evidence Based:

Third party testing	No	N/A	Yes	Yes
Company white papers	No	N/A	Yes	Yes
Lab Studies	No	N/A	Yes	Yes
Peer-reviewed studies	No	N/A	Yes, 12	Yes, 13+
Outcome Data	N/A	N/A	No data for reducing SSI	SSI reduction in orthopedic procedures, infection rate from 1.9% to 0%



The Illuvia® HUAIRS® system by Aerobiotix is an air handling apparatus for surgical operating rooms intended to produce a directed, non-turbulent flow of air that has been filtered to remove particulate matter and microorganisms to provide an area free of contaminants to reduce the possibility of infection in the patient. The system also contains an internal germicidal ultraviolet system for additional efficacy.

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Data from respective company websites