

Aura® Elite

Classroom Demonstration Fume Hood



FILTRATION:

Mystaire® Aura® Elite ductless classroom demonstration fume hoods are shipped complete with custom blended gas phase filtration. The filtration is designed to effectively remove toxic organic and inorganic compounds that are typically manipulated in the educational curriculum. Gases and vapors are either adsorbed and/or neutralized within the main gas phase filter.

Aura® Elite is equipped with a safety backup filter to allow for added performance and reserve filtration capacity. The safety backup filter has the same custom gas phase blend as the main filter. When the main gas phase filter reaches saturation, alarm indication of replacement is provided and the safety filter functions to minimize the potential of hazardous gases being released into the laboratory.

The custom blended gas phase filter has activated and chemisorptive coconut shell carbon to effectively adsorb and/or neutralizes gases and vapors released during typical educational hand-on experimentation.

MONITORING:

Aura® Elite ductless classroom fume hoods are constantly monitored with the EverSafe™ III advanced microprocessor safety controller. EverSafe™ III provides constant face velocity measurement and control plus filtration monitoring with a solid-state gas detector.

Filter saturation is visually monitored on the EverSafe™ III controller screen with audible and visual alarm indication once the main filter has reached the calibrated saturation point.

Face velocity is monitored to ensure operation within ASHRAE 110 containment test range and automatically increases or decreases to achieve the factory preset face velocity level of 90 feet per minute. Aura® Elite has built-in variable airflow velocity control.

The Aura® Elite ductless classroom demonstration fume hood design was performance validated per the ASHRAE 110 containment test at the face velocity range of 70-100 linear feet per minute.

CONSTRUCTION:

Aura® Elite ductless demonstration fume hoods are constructed with the classroom challenges in mind.

The base and spill containment tray is designed and fabricated from Fiberglass to offer both heat and chemical resistance.

The clear sides are constructed from polycarbonate to offer favorable impact, flame and chemical resistance while providing exceptional viewing characteristics for the student and teacher.

The chassis is constructed from heavy gauge aluminum that has been epoxy coated to provide superb chemical and heat resistance.

Aura® Elite ductless classroom demonstration fume hood is standard with an epoxy coated cart with lockable casters. The complete ductless demonstration system is designed for easy movement between classroom laboratories and laboratory stock rooms.

APPLICABLE STANDARDS:

ASHRAE 110, ANSI Z9.5, OSHA 1910.1450, UL, CSA and CE compliant

MYSTAIRE®

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