

Ductless fume hoods, 12/13

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December 2013—New Purair 5 ductless fume hoods from Air Science USA feature a high level of operator protection where routine work is being carried out. The units exceed OSHA, ANSI, and all relevant international standards, operate at low noise levels, and recirculate rather than exhaust expensive conditioned or heated air into the atmosphere.

Purair 5's ductless design eliminates installation costs and allows the unit to be positioned over a sink or benchtop apparatus. Three models are available, providing customers with a choice of 24-in., 36-in., or 48-in. widths. A face velocity of 100 fpm ensures containment of fumes and particulates for operator protection while an alarm alerts the operator if airflow falls to an unacceptable level.

All mechanisms in the head section are on the clean side of the filter, isolating switches and electrical components from contamination. Additional features include an optional polypropylene spillage tray and rear unit lighting to illuminate the work surface. Purair 5's patented filter clamping ensures an even seal at the filter face to prevent bypass leakage. The main filter can be chosen from 14 types of carbon, which include specialty media for vapors of organics, solvents, acids, mercury, and formaldehyde. HEPA filters for particulate filtration are also available.

Typical applications for the Purair 5 include histology, powder weighing, and sampling prep work.

[**Air Science USA**](#), 800-306-0656