

Advanced Air[®] fully integrated fume cupboard controller has arrived

This new fully integrated “all in one system” fume cupboard controller, offers three options; VAV, Ecosash[®] and CAV. Now available across all our fume cupboard designs.

Key features of the new controller

- BACnet MSTP (RS485) included for full BMS integration, with reporting of operating parameters including occupancy, and ability to open/close sash remotely.
- Capable of both VAV and CAV operation, with support for controlling scrubber, recirculation tank and spray bar operation.
- Sleek, chemical resistant glass touch panel with colour screen for simple, easy-to-use operation and setup.
- Ecosash sash closing has non-contact light-beam collision detection capability.
- Low flow mode can save energy when the lab is unoccupied.*
- Compatible with both damper/manifold and VSD operation.
- Fully compliant with AS/NZS 2243.8-2014* and EN 14175.
- Cost effective!

*Use of low flow mode requires exemption to AS/NZS 2243.8-2014.



Creating high performance
environments through
smart engineering



TPE/Aircare fume cupboards are designed for the professional laboratory. They provide proven fume extraction technology with innovative concepts: easy-to-use split sash system; the sash door release mechanism; fixed or removal work surfaces; smooth airflow entry; fire retardant PP carcass and LED lighting. Available in multiple sizes and flexible design options.

Fume cupboard controller



ecoair® (VAV)

EcoAir (VAV)

- Variable Air Volume (VAV) technology for quiet and economical operation.
- BACnet MSTP (RS485) included for full BMS integration, with reporting of operating parameters including occupancy, and ability to open/close sash remotely (with Ecosash).
- Sleek, chemical resistant glass touch panel with colour screen for simple, easy-to-use operation and setup.
- Ecosash sash closing is fully integrated for minimising loss of conditioned air from the laboratory.
- Low flow mode can save energy when the lab is unoccupied (with Ecosash)*.
- Compatible with both damper/manifold and VSD operation.
- Fully compliant with AS/NZS 2243.8-2014* and EN 14175.
- Cost effective.

labrocare® (CAV)

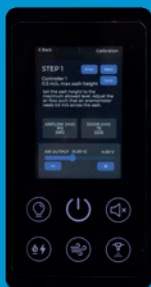
Labrocare CAV controller

- Constant Air Volume (CAV) technology for simple operation.
- Available with Ecosash automatic sash closing for improved safety.
- BACnet MSTP (RS485) included for full BMS integration, with reporting of operating parameters.
- Sleek, chemical resistant glass touch panel with colour screen for simple, easy-to-use operation and setup.
- Fully compliant with AS/NZS 2243.8-2014* and EN 14175.
- Can control scrubber valve or recirculation tank pump, and spray bar for fume scrubbing systems.
- Compatible with both damper/manifold and VSD operation.

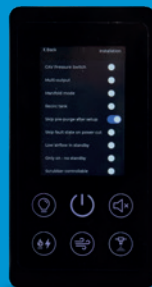
ecosash®

Ecosash only with PIR sensor

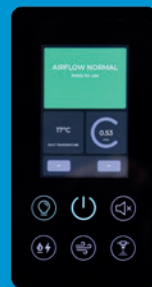
- Can be retrofitted to existing VAV fume cupboards without closers.
- With the EcoSash system, VAV energy savings are maximised to their full potential.
- Pays for itself in energy saving in approximately 18 months.
- Improves laboratory safety by minimising time with sash raised.
- Sash collision sensing – system monitors for obstacles.
- Light beam sensor technology – non-contact collision avoidance.
- User friendly – easy to install, to configure, and change settings.
- PIR sensor panel with adjustable range to allow for use in fume cupboards from 1200mm to 3000mm width.
- BACnet MSTP (RS485) included for full BMS integration, with reporting of operating parameters including occupancy, and ability to open/close sash remotely.



Simple set-up



Customise features



Dashboard

Fully customised, feature-packed interface