

# Fixed Volume (CAV) Fume Cupboard Controller

The **NEW Smart Controller**

The Advanced Air® Fixed Volume (CAV) Controller provides State-of-the-art fume cupboard management: A remarkable capability of the Advanced Air® Fixed Volume Controller is that it can manage as many as four separate fume cupboards if the four use a single exhaust manifold.<sup>1</sup>

Advanced Air® Fixed Volume (CAV) Controllers are manufactured by Aircare, which was founded in 1970. Working together for many years, its people bring a wealth of experience to their craft, technical expertise that ensures the best fume management solutions for their customers.

The Controller monitors air flow, temperature and electrical faults to provide a safe working environment for the user. The backlit LED control panel display is designed to be easy to use.

All the fume cupboard features can be activated from the LED display panel. A prominent Emergency Stop button instantly disables power points and flammable gas outlets and places the fume cupboard into a run-on mode. Note that the Advanced Air® Fixed Volume (CAV) Controller is designed to ensure safe laboratory conditions and is fully in compliance with AS/NZS 2243.8 (2006).



The Fixed Volume (CAV) Controller comes with a vertically oriented, touch-type control panel that can be mounted on either the left or right column of a fume cupboard. This example shows the control panel mounted on an EcoAir® fume cupboard.

## Key Features

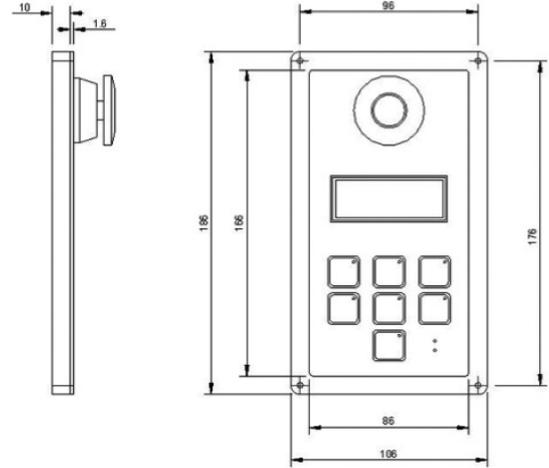
- ▶ With its sophisticated electronics mounted internally behind an access panel, the Advanced Air® Fixed Volume (CAV)'s Control Panel is vertically mounted in either the left or right sash column, easily accessible for the operator.
- ▶ The Advanced Air® Fixed Volume (CAV) Controller uses four intuitive stages – Pre-Purge, Ready to Use, Post-Purge, and Standby – during normal operation and it instantly responds to any abnormal conditions that arise.
- ▶ Low-airflow, high-temperature, and electrical faults each produce visible and audible alarms (which can be muted) and automatically disable power and flammable gas outlets.
- ▶ The Control Panel's back-lit LCD screen displays the current operational state, timing count-down progress for purging cycles, and a text description of faults that occur.

1. Currently, New Zealand and Australian standards do not permit shared exhaust components.

## Key Features (continued)

- ▶ A dedicated back-up power supply continues to power the alarm functions even after a loss of Mains power.
- ▶ A prominent *Emergency Stop* button instantly disables power points and flammable gas outlets and places the fume cupboard into a run-on mode.
- ▶ Set-up and calibration is done via touch buttons and LCD screen instructions.
- ▶ Numerous configuration and timing options are available, and the Controller is compatible with optional fume cupboard features, such as water sprays and scrubbers.
- ▶ Where codes permit sharing exhaust components, an Advanced Air® Fixed Volume (CAV) Controller can manage up to four separate fume cupboards.

Control Panel is mounted on 10mm thick white Acrylic frame, with 1.6mm MS bracket powdercoated white.



Cutout in column should measure 166mm H x 86mm W.

## Parts Supplied

