

# CHEMFLOW MODBUS AIRFLOW MONITOR

## FEATURES:

- Master Control & Indicator Module
- Air Velocity Sensor
- Sash Control Module
- Passive Infra-Red Detector
- Personnel Detector
- BMS Output Module
- Digital Display
- Automatic On/Off Switch
- Sash Control
- Passive Infra-Red Detector
- Temperature Sensor
- Time & Date
- Built-in Audible Alarm
- Readable Log
- User Friendly
- Easy Programming Access at Front of Fume Cupboard
- Designed and Manufactured in Ireland
- 12 Months Warranty



The CSC MB2200 is an advanced microprocessor-controlled safety monitoring system designed to suit a wide range of fume cupboards. A very high priority in the design has been assigned to energy management. Automatic sash closing is included, with system status information available to a Building Management Systems.

Airflow through the fume cupboard is measured by a thermal anemometer. A custom-designed platinum on ceramic sensor element is heated to a fixed temperature, above ambient, and placed in the airstream. Airflow past the sensor tends to cool the element. An electronic bridge circuit acts to restore the temperature to the fixed value. The rate at which heat is removed from the sensor element is directly related to the velocity of the airflow. The power required to maintain the element temperature constant is measured. This measurement is processed, calibrated, and output on the ModBus for use by all other modules.

