

CAV



Description

Constant air volume (CAV) systems are consistently used on medium to large projects to supply regulated fresh-air requirements to each zone/floor as well as extracting 'used' air from the building. Constant volume units are used particularly on Fan Coil projects to deliver specific fan coils and zones with 'guaranteed' fresh air volumes. These can also be re-set via the BMS in order to accommodate change in fresh air requirements. All units are pressure independent and can be placed anywhere in the system and used with any BMS.

Features

- Single wall or double wall.
- Pressure independent from 50–1000 Pa.
- Compact design.
- Low pressure loss over the terminal.
- Control accuracy $\pm 10\%$ (in the recommended flow range).
- Temperature insensitive (-30°C to $+100^{\circ}\text{C}$).
- Can be mounted in any position.
- Factory set, saves commissioning time on site.
- Provision for on-site adjustment across the full volume scale.
- Maintenance free.
- Factory fitted distribution plenum with built-in hot water or electric reheat coil.
- Low noise production.