

BARCOL-AIR

ENGINEERING AUSTRALIA

PTY LTD

About Barcol Air

Our Profile

Barcol Air Engineering Australia is a partnership between Controlworks and Air Con Serve Pty Ltd from Adelaide.

The purpose of the company is to supply the Barcol Air Engineering range of products into the Australian Market.

Our Products

Barcol Air Engineering Australia has access to a wide range of Barcol products including but not limited to:

- Induction VAV boxes
- Standard VAV boxes
- Active chilled beams
- Chilled ceilings
- Airflow measurement stations
- Carpark induction fans

Our Reference Projects

Barcol Air Engineering Australia has typically sold Induction VAV boxes.

These sales have been for both new and refurbishment work covering whole floors to whole buildings.

Reference projects in Sydney include:

- 67 Epping Road – New commercial building
- 255 George street – Staged refurbishment of commercial building
- Hyundai head office – New commercial building
- Many Others



IVAV box

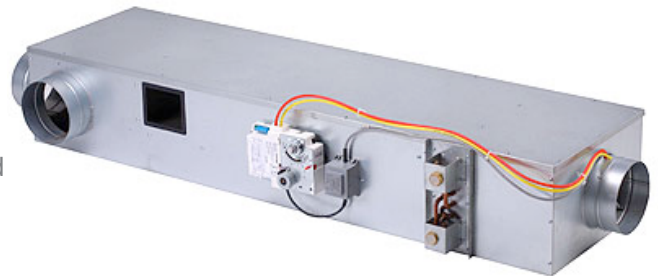
About the IVAV System

Advantages of Induction VAV technology

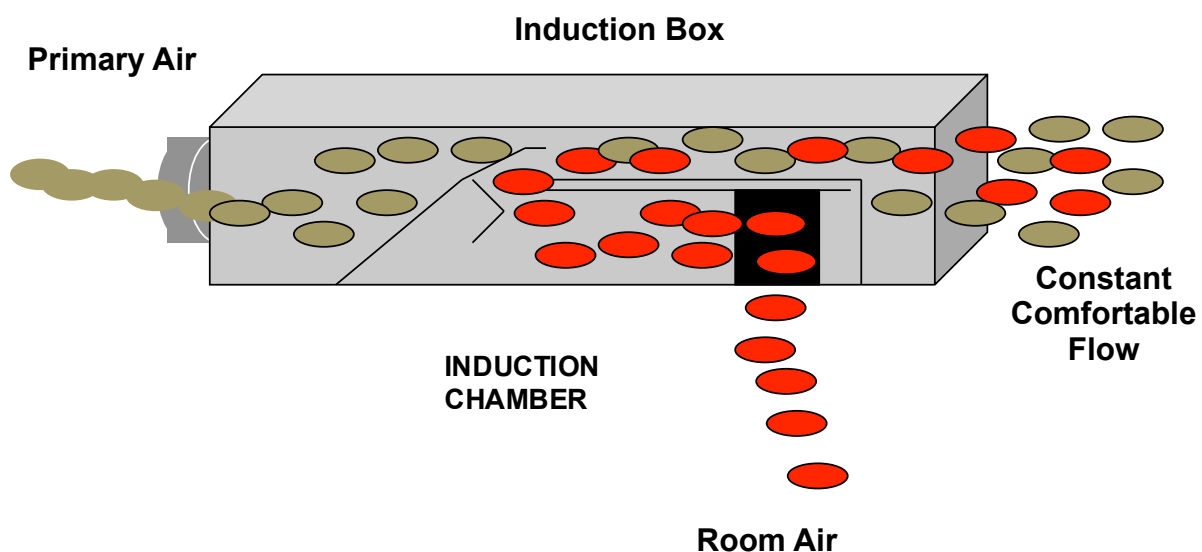
Rectangular low height VAV terminal with integral sound attenuator. This unit can be used with normal or low temperature primary air temps (8° C upwards). The unit operates as a standard VAV unit but is capable of inducing void air to mix with primary air to give supply air temperatures of 12° C or more.

The induction effect allows a primary turndown ratio to 25% thus giving even more energy savings to the system all year round. Standard diffusers can be used due to the induction effect 'creating' higher secondary air volumes thus eliminating diffuser dumping. With no fan and no filters, this system is by far the best VAV system with the least maintenance.

- "Induces" mixing of room air with primary air to reduce diffuser dumping
- Eliminates need for fan-powered boxes
- Maximizes comfort due to proper air circulation
- Supports use of ultra low supply air temperatures
- Enhanced design allows operation at low inlet pressures (0.6" static vs. 1.5 to 2" static)
- Single actuator design vs. multiple slaved actuators and linkage
- High velocity turbulent mixing air chamber eliminates condensation worries
- Precision DDC control strategies
- Induction VAV units arrive factory calibrated and complete with Barcol cross flow airflow sensor
- Option of various combinations of controls and reheat coils factory fitted, tested and calibrated



Induction Box Operation



For all sales enquiries, please contact:

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