



SPECIALTY PRODUCTS

Thermal VAV Diffuser VTD



VTD

STEEL

The variable volume ceiling diffuser is designed for general building zones where uniform radial discharge is the most suitable and desirable supply air distribution pattern. Optimum performance in terms of uniform air distribution and low noise levels has been combined with simple construction and an aesthetically pleasing appearance to provide a unit which is both functional and reliable.

The position of the control disc is varied by means of a wax filled thermal element which responds to changes in sensed temperature. With a rise in sensed temperature, the expanding wax extends the plunger, causing the amplifying lever-arm mechanism to move the control disc such that the supply air volume is changed to the extent that is required to maintain constant room temperature. When the wax cools, the plunger retracts under the action of the return spring, causing the control disc to move in the opposite direction to counter the change in sensed temperature.

The Thermo-Disc is reliable and requires no routine preventative maintenance. The absence of electrical or pneumatic equipment and accessories also means less maintenance and fewer potential problems. All moving components are easily accessible from below the ceiling. The entire control mechanism can be removed from below in seconds.

FEATURES

- No electric requirements
- Reversing change-over
- No routine maintenance
- AHRI certified performance
- Fully self contained
- ISTA certified packaging