

## Design Features

### Personalized VAV Systems

Titus brings both accuracy and flexibility to the variable air volume (VAV) market with T<sub>3</sub>SQ VAV diffusers. The T<sub>3</sub>SQ combines the functions of a VAV terminal and a high performance diffuser in one. The T<sub>3</sub>SQ modulates the air volume delivered to a zone to accurately control cooling and heating conditions. The unique variable geometry design results in maximum air distribution effectiveness at any air flow, for superior comfort conditions.

T<sub>3</sub>SQ adds application flexibility by being able to operate stand-alone with thermal or analog controls.

In addition to a superior performance VAV unit, the T<sub>3</sub>SQ is solidly constructed with 18-gauge steel. Available in many frame styles, the T<sub>3</sub>SQ can be installed in almost any ceiling as easily as a standard diffuser. The architecturally pleasing design coordinates with any office environment.

For applications that require system simplicity, proven technology and superior comfort, specify the Titus T<sub>3</sub>SQ series of VAV diffusers.

- Variable geometry diffuser design maintains jet velocity at all flow rates, varying air flow pattern for optimal performance.
- Separate cooling and heating setpoints on thermal T<sub>3</sub>SQ.
- Supply air temperature provides automatic cooling/heating changeover on configurations -4 and -1.
- T<sub>3</sub>SQ-1, analog, can control up to 5 zones.
- Optional electric inlet heater for applications requiring supplemental heat (T<sub>3</sub>SQ-1 only).
- Provides accurate, personal environmental temperature control to improve productivity in the office environment.
- Superior air distribution performance provides greater entrainment, higher Air Diffusion Performance Index (ADPI) and better ventilation effectiveness for Indoor Air Quality (IAQ).
- Lower cost per zone of control than typical VAV terminal with separate diffusers.
- Renovate existing offices or add zones in problem areas to solve individual comfort problems.



Installation and relocation are made easy.

- Constant volume systems can easily become multi-zoned VAV systems, for "big building comfort" on a small building budget.
- Easy and inexpensive to relocate zones, ideal for use where office space may be reconfigured periodically.
- Easy to install and operate.
- Unique center induction on thermal T<sub>3</sub>SQ ensures accurate readings even at low flows.

### Thermal VAV Diffuser

