

TITUS DUAL DUCT TERMINAL - LEADERSHIP IN A RE-EMERGING TECHNOLOGY!

The concern for IAQ has led to renewed interest in the benefits of dual duct systems. Dual duct systems are an ideal vehicle for alternative ventilation strategies and humidity control. Additionally, total filtration of all air delivered to the zone is possible. Titus dual duct terminals provide high performance and value, making them the preferred selection for these applications.

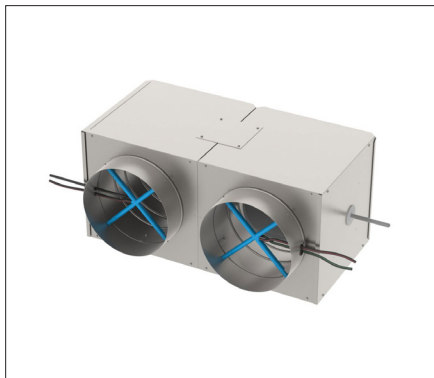
Titus dual duct terminals vary the airflow individually between hot and cold inlets for highly accurate temperature control.

As the ratio of hot and cold air is critical in most applications, pressure independent controls are used with a separate velocity control loop to each inlet.

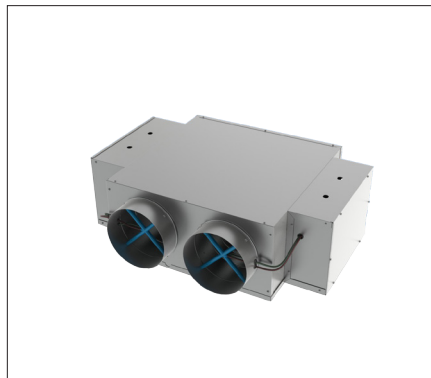
Titus dual duct terminals are available in three styles. In those instances where no blending of airstreams is required, the EDV without the integral attenuator assembly can be an effective choice.

When blending of hot and cold supply air is needed for accurate temperature control with minimum flow requirements, the EDV or EDC with integral attenuator should be used.

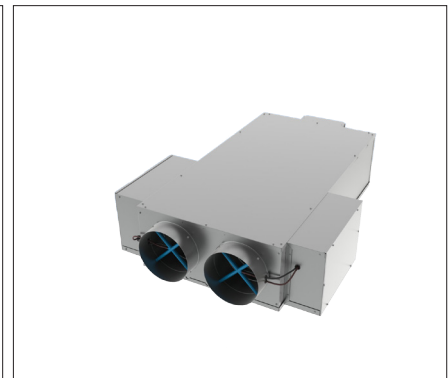
The attenuator reduces discharge sound levels and provides some mixing benefit. An optional mixing baffle is available for use with the attenuator to provide maximum blending of hot and cold airstreams. Less than 1°F temperature variation is provided at the discharge with a 10°F inlet temperature differential!



EDV NON MIXING



EDV WITH OPTIONAL MIXING BAFFLE



MDV WITH INTEGRAL MIXING ATTENUATOR

All Titus dual duct terminals are available with Fibre-Free and other lining options.

The Titus MDV/MDC Dual Duct Terminals have been specially designed for those applications where comfort levels are critical, as in hospitals, research facilities, and other institutional applications.

Like the EDV/EDC, the MDV/MDC terminals use separate pressure independent velocity control loops for each inlet, rather than a single velocity controller for discharge volume control only. This provides superior temperature control during blending, as each inlet can compensate for duct pressure changes without affecting the other.

The unique internal mixing baffle design provides for exceptional mixing characteristics. Less than 1°F temperature variation is provided at the discharge with a 20°F inlet temperature differential. Additional ductwork is not required downstream to achieve proper mixing, allowing for immediate take-off to diffusers. This is also beneficial for installations with space limitations.

The tightly sealed casing typically allows less than 1 percent leakage of conditioned air to the space at 1.5 inches wg. differential static pressure, making this one of the most energy efficient dual duct terminals. The dampers are the improved Titus low leakage design.

All Titus dual duct terminals are also available with EcoShield, Fibre Free and SteriLoc lining options. Specify the MDV/MDC and you will be providing the best performing dual duct terminal available.