



# VENTZONE

by **AMERICAN**  
**aldes**  
VENTILATION CORPORATION



# VENTZONE SYSTEMS®

## ZRT

### ZONE REGISTER TERMINALS

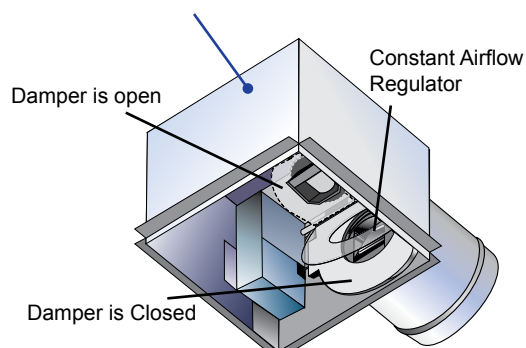
VentZone Systems® by American ALDES offer dynamic zone control of ventilation system airflows. These ultra energy efficient systems combine centralized bathroom exhaust with whole house IAQ ventilation with energy recovery to provide the most advanced home ventilation solution. Perfectly suited for residential, commercial, and multifamily applications, VentZone Systems combine model ZRT demand-controlled zone register terminals, Energy Star Ventergy Series Fans, and Heat/Energy Recovery Ventilators to create the most energy efficient and quiet ventilation systems available.

Model ZRT Zone Register Terminals replace individual fans or static grilles found on other remote fan kits, and control the fan to ventilate only those areas desired. Also known as demand-controlled ventilation, controlling the airflow on a zone-by-zone basis saves energy and places less load on heating and cooling systems.



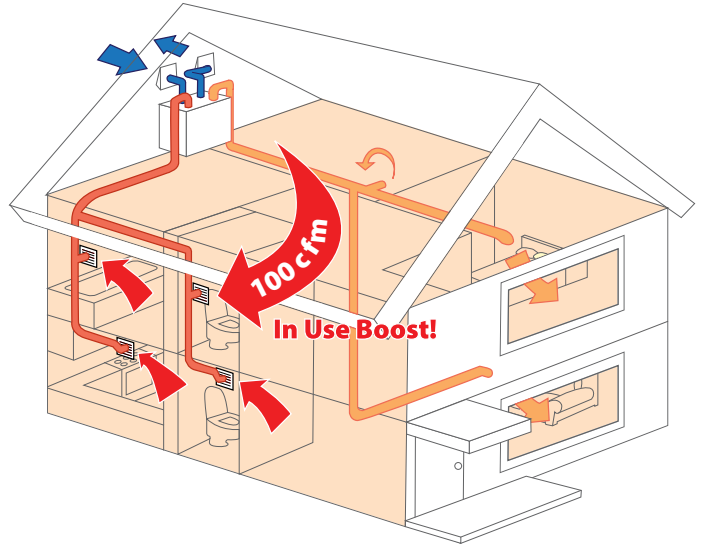
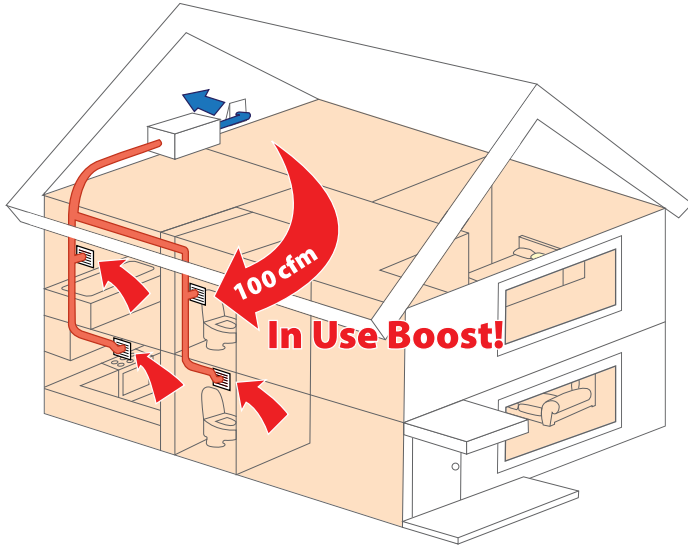
## How Does It Work?

### ZRT Terminal



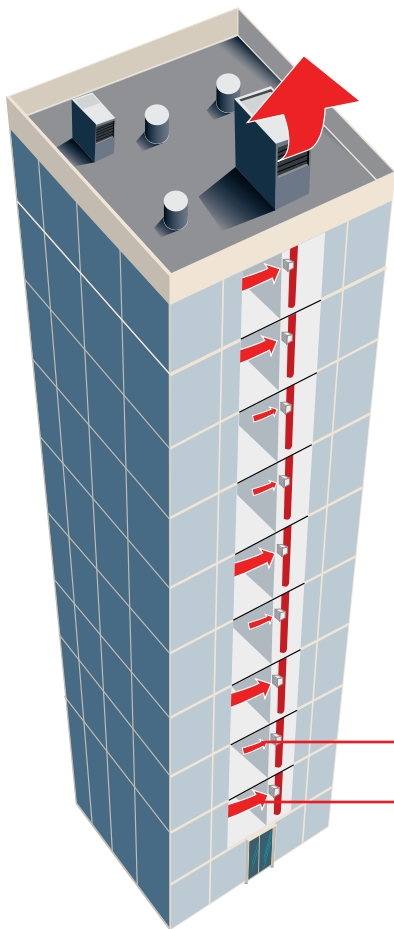
Each ZRT terminal is fitted with a self-balancing constant airflow regulator, which allows controlled amounts of continuous IAQ ventilation when the damper is closed. The primary flow damper opens when called upon by any switch, timer, dehumidistat, occupancy sensor, or CO2 sensor. Once the damper is opened, the ZRT signals the HRV to boost speed and boost airflow from the open ZRT, making it ideal for bath ventilation.

# APPLICATIONS



## VZ-IAQ Continuous Exhaust with Zoned Boost

## VZ-IAQ Balanced with Heat Recovery



The most advanced IAQ central exhaust ventilation system available. The **VentZone IAQ** systems are the only central ventilation systems available that provide precisely regulated whole house Indoor Air Quality and centralized zoned bathroom exhaust in a single highly effective and efficient system! American ALDES' IAQ systems are designed to meet ASHRAE 62.2, ENERGY STAR with IAP, LEED for Homes, and California Title 24 standards.

The American ALDES **VentZone IAQ HRV/ERV** systems are the only balanced ventilation systems available that provide precisely regulated whole house Indoor Air Quality, Heat/Energy Recovery, and centralized zoned bathroom exhaust in a single highly effective and efficient system! American ALDES' IAQ systems are designed to meet ASHRAE 62.2, ENERGY STAR with IAP, LEED for Homes, and California Title 24 standards.

Not In Use : Low Continuous CFM

In Use : Increased CFM

The **ZRT Zone Control Exhaust Terminal** is designed to introduce flexibility and dynamic control of central ventilation systems. The ZRT is a combination grille/register box, control damper and optional flow regulators. This unique combination provides up to four different control schemes without the need for expensive pneumatic, electronic, or DDC control systems.

## High Rise Applications

# Q&A

**Q - When I am using the boost speed in one bathroom, I don't want my other bathroom to be in the boost mode. Can the Zone Register Terminals do this?**

A – Yes, the VentZone System is designed to provide the boost speed only in the room(s) that it is being called for.

**Q – Are the Zone Register Terminals available in multiple airflow rates?**

A – Yes, the ZRTs are available in a wide range of airflow options.

**Q – Can the Zone Register Terminals be used in applications where a no airflow option is required?**

A – Yes, ZRTs are available for both low and high airflow applications as well as on and off airflow applications.

**Q – Will the Zone Register Terminals help to control the negative effects of stack effect in my ventilation system?**

A – Yes, the ZRTs will regulate the airflow in the ventilation systems of high rise buildings even with seasonal stack effect.

**AMERICAN**  
**aldes**  
VENTILATION CORPORATION

4521 19th Street Court E., Suite 104, Bradenton, FL 34203 USA  
Phone: 941-351-3441 | Fax: 941-351-3442  
www.americanaldes.com | Email: info@aldes-us.com

**IAQ**  
VENTILATION  
**HOTLINE**  
800-255-7749

ventzone\_brochure\_0311