

# Ceiling Vent System

## VS-CVS

This system is for very aggressively venting hot air generated by today's electronics from rooms and closets. It has been designed to work with the home's HVAC system which is the most efficient and effective way to circulate and reprocess the hot air generated by electronic components. While most people believe that the heat generated by components is undesirable, it is a matter of perspective. It can be damaging to electronic equipment but, in the winter, most regions pay good money to heat their homes and even when the weather is milder and we seek cooler temperatures (air conditioning), the entire purpose of the HVAC system is to take warmer air and convert it to cooler air. It may not make sense to increase the ambient temperature of the incoming air, but it is much easier for the HVAC system to 'reprocess' air that is simply heated, or really just warm by most standards. For this reason, you never want to vent outside of the home - when venting outside, that air is often times replaced by air from the attic (through recessed lighting or other penetrations) or from outside where the air can be hot, humid, smelly...

If for whatever reason it is not possible to connect to the HVAC system, this system can also be used to easily and effectively vent from the equipment room or closet to another area. The system works in conjunction with the Ceiling Vent System Rough-In Box (VS-CDB-CVS) and from that box, you would typically use 4" flex tubing and let the HVAC contractor make the connection to the HVAC system. If just venting to another area, you can use either the 4" x 4" or the 4" x 8" duct box (VS-WDB-HFL or HF) and the 4" to 3" reducer (for converting the different size flex duct sizes), and connect the two duct boxes. In this scenario you would want to vent from the room or closet to a main room or hallway and preferably close to a return vent if possible so the warmer air is still reprocessed most efficiently.

### Features

- Engineered To Efficiently Re-circulate Hot Air from Rooms & Closets through the HVAC System or to Another Part of the Home or Office
- Uses Rough-In Boxes for Installation During Construction which Makes Final Installation Quick and Easy
- Utilizes DC Power System so Electricians are Not Required for the Installation
- DC Power System Allows for Advanced Control
- Very Low Noise with Maximum Effectiveness & Efficiency
- Includes 1000mA Adjustable Voltage Power Supply (PS-1000) and a 6' Extension Cable (PA-EC)

### General Specifications

Dimension - Grill Housing:	L - 12 3/4" x W - 12 3/4" x D 2 1/2" (32.3cm x 32.3 x 6.5)
Dimension - Fan Unit:	L - 9 3/4" x W - 9 3/4" x D 1 1/8" (25.4cm x 25.4 x 3)
Construction:	Grill & Fan Bracket - Heavy Gauge Steel (White Enamel Finish)
Cooling System:	4 - 92mm Brushless Magnetic Levitation Fans (Est. 60,000hrs.)
Air Flow:	~120-260 <sup>CFM</sup>
Noise:	Dependent on Settings (Can be run quietly)

### Power Specifications

Power Connection:	2-Pin Coax Connector w/ 2-Pin FastWire Power System (Ensure proper polarity)
Voltage:	6 to 9V DC for Normal Operation or 9 to 12V for More Aggressive Cooling
Current - Amp:	800mA (milliamps) @ 12V DC



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