



COOL COMPONENTS
INCORPORATED

Cooling & Ventilation Products

for Today's Audio Video Systems

Cooling & Rack Products

for Directly Cooling Individual Components & Systems



COOL COMPONENTS
INCORPORATED

Cooling Products are intended to directly cool components and are generally the first line of defense against overheating systems

SINGLE & DUAL FAN COOLING UNITS

CP-SF & CP-DF

Ideal for cooling components such as cable & satellite receivers, game boxes, amplifiers and AV receivers. These units are easily installed by simply placing the unit on top of a component and, at just over an inch in height, they are very compact and easy to fit into even the tightest of spaces. Use the Single Fan Unit for smaller components and the Dual Fan Unit on amplifiers and receivers.



COMPONENT UNITS

CP-CC (2FN, 4FN, 4WC, FL, 9FN)

Very aggressive and full-size cooling unit (same width as components). The standard version (2FN) features two 92mm fans, the 4FN has four 92mm fans and the FL has four 92mm fans and four front blowers for exhausting air out the front of the unit. For extreme cooling, the 9FN features nine 92mm fans! All versions are ideal for cooling amplifiers and receivers installed in cabinetry or rack systems. Includes rack mount hardware.



UNIVERSAL COOLERS

CP-UC & CP-UC-2

Designed to effectively and efficiently cool in a variety of applications. The unique design saves space and provides a variety of options and flexibility during installation. The 1U version is great for mounting in the back of cabinets or behind recessed TVs, while both units are perfect in rack applications.



COOL RACKS

RK-CR-19 & RK-CR-40

These standardized 19" equipment racks are far from 'standard'! Featuring integrated cooling as well as a variety of additional cooling options that save space within the rack, these top quality racks are a tremendous value. While the racks come in two different sizes, they can easily be cut down at 1U increments to add an ultra custom touch.

Each rack includes 2 sets of 50mm fans (4 fans each) and additional fans are available to complete your rack. When used with our unique rack side coolers, no additional space is required in the rack for cooling. Each rack also includes two LED Temperature Displays built into the rack top pan with remote sensors for monitoring the temperature in different locations within the rack. Available in 19 & 40U Versions



COOL SHELVES

RK-CS (2, 3, 4)

While others have vented shelves, these have cooling integrated into the design. Not only do they include fans but they are also extremely sturdy and incorporate very useful wire management features. Available in 2, 3 & 4RU versions.



RACK SIDE COOLERS

RK-SC-2FN & RK-SC-4FN

These units are ideal for tight open rack applications where no space exists for more traditional, front-mounted cooling products. The units attach to the side rails, front or back, and can be precisely positioned to optimize cooling.



RACK ACCESSORIES

From faceplates, both standard venting faceplates and faceplates with temperature displays, to rack shelves, we have accessories to complement our other rack products.



Ventilation Products

for Cabinetry, Enclosures, Rooms, Closets...

For increasing airflow in cabinetry and other enclosed areas where hot air can become trapped

CABINET & SLIM VENTS

VS-CV & VS-SV (BLK, WHT, TAN)

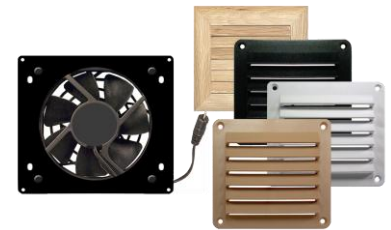
Great for venting smaller cabinets and enclosures. These units are easily installed and self-contained so there is no tubing or other assembly hassles to contend with. The Slim Vent features a thinner design for tight spaces and is perfect for metal enclosures or structured wiring cans. On both units the airflow can be reversed. The VS-CV is available in Black, White, and Tan while the VS-SV is available in Black & White.



HiFLO LITE VENT

VS-HFL (BLK, WHT, TAN, MPL, OAK, TEAK)

For more aggressively venting cabinets and enclosures. It can also be used to cool equipment closets in less demanding situations where the HiFlo System would not be appropriate or is not in the budget. Available with plastic and wood grill options and also available in packages.

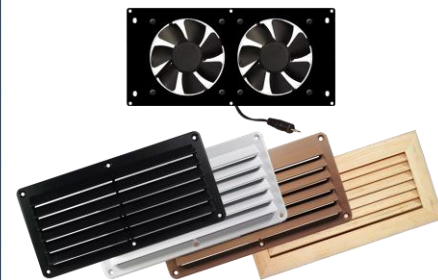


HiFLO VENT SYSTEM

VS-HFB/S (BLK, WHT, TAN, MPL, OAK, TEAK)

Appropriate for circulating air in rooms, closets, and very large entertainment centers. Easily installed in new or retrofit applications and compatible with new construction rough-in boxes and remote venting accessories.

The Basic Unit (VS-HFB) is for venting larger cabinets and the Vent System (VS-HFS) is for venting rooms and closets as it is packaged with 2 grills, a temperature controller, and power supply. Both units are available with plastic and wood grill options.



CABINET DUCT SYSTEM

VS-CDS-SYS1

A perfect solution for venting existing built-in, recessed, or multi-bay cabinetry. This system directly and efficiently pulls air from inside the cabinet, down, and out of the cabinet's toe kick. While assembly and configuration can be extensive, it is fully customizable and will work perfectly where it is difficult or not aesthetically desirable to vent through the side or top of a cabinet.

Additional fan units can be added for increased ventilation. Extension tubes are also available for cabinets that are taller than 3 feet.



SLIMSIX SYSTEM

VS-S6 (BLK, WHT, MPL, OAK, TEAK)

Featuring 6 fans, this unit is ideal for a variety of cooling and venting applications. The narrow design provides for installations in cabinet toe kicks, closet doors, or other places where standard cooling products will not fit or where a sleeker look is desired. Constructed of heavy gauge steel, the system is available with black or white plastic grills or with real wood grills in maple, oak, and teak.



CABINET TOE KICK SYSTEM

VS-CTK (BLK, WHT, MPL, OAK, TEAK)

For drawing cooler air into a cabinet from the toe kick. The grill opens up the toe kick to pass air to the Cabinet Vent that is installed in the base of the cabinet. This ensures that air is pulled directly into the cabinet and is best when used in conjunction with other products such as the Cabinet Vent or HiFlo Vent system exhausting hot air. The unit allows for an inconspicuous installation and is effective for ensuring that cooler air is entering the cabinet. Comes with a toe kick grill (black, white, maple, oak or teak), cabinet vent, and power supply.



Temperature Controllers

Automated Thermal Management and Accessories

Automated control helps increase the efficiency and extend the life of equipment by providing cooling only when necessary

ADVANCED VENTILATION CONTROLLER

TC-AVC

The Advanced Ventilation Controller (TC-AVC) is a programmable thermostat used to control high and low voltage fans that are typically being used for ventilation of closets or enclosures that utilize remote ventilation fans. The AVC features user programmable set points for turning fans on and also for an alarm or other devices. The controller is wall mountable with a built-in temperature sensor. An optional 20 foot remote sensor is available for added versatility. The unit primarily functions by utilizing 5 relays, 2 primary relays for fan and alarm functions and 3 additional relays for more advanced functionality.



ADVANCED SYSTEM CONTROLLER

TC-ASC / TC-ASC-2

This is the most advanced thermal controller available featuring fan on/off control based on temperature or low voltage trigger. This unit also offers variable fan speed based on temperature (as heat increases, so does fan speed) as well as fixed fan speed modes. It maximizes user control with variable set points for fan "on" temperature, programmable temp for fans reaching max speed, and an alarm set point. The alarm features an audible alarm and a contact closure (NO & NC) and the audible alarm can be disabled to only receive notification through the contact closure. The display shows the temperature, makes programming a breeze and can be switched between Celsius and Fahrenheit. Also available in a Dual Unit which can be Standalone or Rack Mountable.



Advanced LT Controller v2

TC-ALTv2

The TC-ALTv2 provides automated on and off control as well as variable speed control based on temperature, and features three selectable modes with different on/off setpoints. The "On" setpoint for Mode 1 is 80°F/27°C, and is most appropriate for equipment room or closet applications. The "On" setpoint for Mode 2 is 90°F/32°C, and is designed for cabinet, rack, and enclosure applications. The "On" setpoint for Mode 3 is 100°F/38°C, and is also designed for cabinet, rack and enclosure applications but offers a higher "On" setpoint for applications where the controller's sensor must be in close proximity to components.



BASIC CONTROLLER

TC-BSC-80 / 88 / 100 / 110

The basic controller is affordable, incredibly easy to install, extremely durable and provides simple automated control of the cooling and ventilation products. These units turn the fans on and off based on temperature and come in four different versions - 80°F, 88°F, 100°F & 110°F set points. Use the 80° version for rooms and closets, the 88° version for cabinets and enclosures, and the 100°F & 110°F versions for extreme circumstances.



POWER SUPPLIES

All power supplies are variable voltage for manually selecting the speed of fans. This allows for extreme flexibility and maximum effectiveness of the cooling products.

PS-300	For smaller products such as cabinet vents, single & dual fan units, 300mA
PS-500	For multiple smaller products or larger single fan products, 500mA
PS-1000	For larger products with multiple fans or multiple small products, 1000mA
PS-1700	For the CP-CC-9FN or multiple large products, 1700mA
PS-800E	For use with all products in 240V international applications, 800mA



POWER ACCESSORIES

We offer a full line of power accessories for powering multiple cooling products with one power supply and for making the installation of our products fast and easy.

PA-EC	Power Extension Cable – for extending power wires an additional six feet
PA-YC-SL	Power Y-Cable – Short Leads – for powering two units with one power supply
PA-YC-LL	Power Y-Cable – Long Leads – for powering two units with one power supply
PA-TC-SL	Power Tri-Cable – Short Leads – for powering three units with one power supply



Remote Ventilation Products

for Rooms, Closets, Built-In Cabinetry, and Projector Enclosures

Remote cooling involves more specialized products for very specific and custom applications

CEILING GRID VENT SYSTEM

VS-CGVS

The Ceiling Grid Vent System (VS-CGVS) from Cool Components is designed to aggressively vent air from equipment rooms or closets. The unit easily installs in a standard 2' x 2' ceiling grid and uses nine professional-grade 120mm DC fans to aggressively, but quietly, vent up to an impressive 575 CFM of air. The fans are automated by using two independent temperature controllers with the first turning on one bank of fans at 80F and the second controller turning the remaining fans on at 88F. This means that the fans only run when necessary which saves energy and increases the life of the system.



INLINE DUCT FAN

VS-IDF

The Inline Duct Fan is ideal for remotely venting equipment room and closets, projector enclosures, built-in cabinetry, racks and more. The fan's very powerful and efficient motor delivers an impressive 170CFM that will handle most applications. The fan utilizes 4" flexible duct for intake and exhaust and comes pre-wired with a 120 volt power cord so powering the system is as simple as plugging it in. The heavy-duty steel housing has an attractive black powder coated finish for durability, and the unit comes with wall or ceiling mounting brackets that can be installed in different directions for different mounting applications.

The Inline Duct Fan offers extreme versatility and great value for the custom installer. The quality construction and innovative features coupled with the ease of installation will make this product the obvious choice for the custom installer for many applications.

Also available in packages: VS-IDF-CVS for closets and equipment rooms and the VS-IDF-EVS for cabinets and enclosures.



CEILING VENT SYSTEM

VS-CVS

For aggressively venting rooms and closets and connecting to the home's HVAC return system or other remote location in the home. It is typically installed during construction in the ceiling of a room or closet and features an easily replaceable filter.

Powered by DC fans, the unit is quiet, very effective and easy to connect. Automated control can be achieved by using our temperature controllers (purchased separately).



ROUGH-IN BOXES

While rough-in boxes are typically used for remote venting in new construction applications, these can be retrofit into ceilings with attic space above and also used within 2x4 walls. The boxes vary in size and correspond with our cooling products and passive grills. On one side use a rough-in box with a HiFlo Lite, HiFlo System, Remote or Ceiling Vent System to move air to the home's HVAC return vent or to another rough-in box and passive grill for a remote exhaust port. With new construction, install a box behind built-in cabinetry, above where a projector will be housed or in the equipment closet to easily vent the systems. The tubing from multiple systems can be joined and combined for the best thermal management available.



NOTE ON VENTING OUTSIDE THE HOME

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 however, in the winter, most regions pay good money to heat their homes. 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. While it may increase the ambient temperature of the incoming air, 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...

Passive Cooling

& Product Packages

Passive Cooling simply involves increasing natural airflow without fans by using openings and decorative grills

PASSIVE GRILLS

Perhaps the first and most important step in determining system design is the natural airflow of the system. While often times active cooling is necessary, having passive grills that can then be replaced with active cooling without additional cutting is a great way to future proof your systems. Passive cooling is very economical and, when combined with active cooling, provides superior protection against overheating and thermal shutdowns.

GR-3SM-(BLK/WHT/CRM) - Grill for 3" Round Opening - Surface Mount

- Plastic: Black, White, Chrome
- Matches Cabinet & Slim Vents

GR-3IM-(BLK/WHT/TAN) - Grill for 3" Round Opening - Insert Mount

- Plastic: Black, White, Tan
- Matches Cabinet & Slim Vents

GR-4IM-(BLK/WHT) - Grill for 4" Round Opening - Insert Mount

- Plastic: Black, White

GR-4IML-(MPL/OAK/TEAK) - Grill for 4" Round Opening - Louvered Vent - Insert Mount

- Wood: Maple, Oak, Teak

GR-4IMS-(MPL/OAK/TEAK) - Grill for 4" Round Opening - Slotted Vent - Insert Mount

- Wood: Maple, Oak, Teak

GR-215-(BLK/WHT/MPL/OAK/TEAK) - Grill for Narrow 2"x15.5" Opening

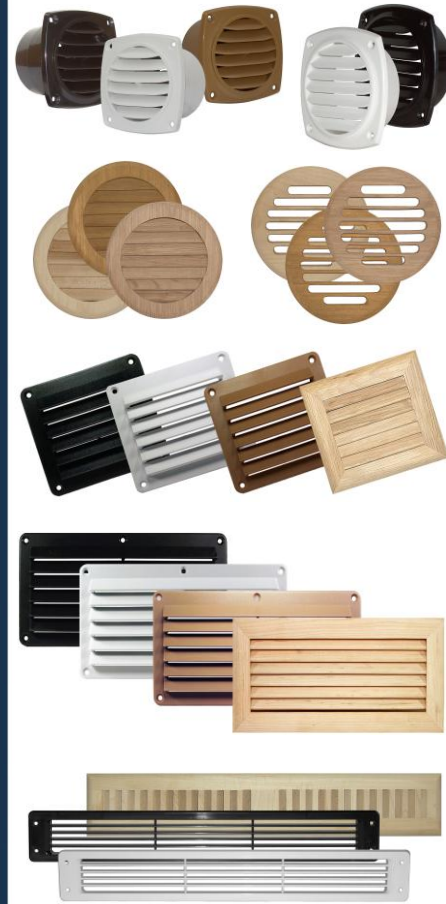
- Plastic: Black & White Wood - Maple, Oak & Teak
- Matches SlimSix Vent System

GR-45-(BLK/WHT/TAN/MPL/OAK/TEAK) - Grill for 4"x5" Opening

- Plastic: Black, White, Tan Wood - Maple, Oak & Teak
- Matches HiFlo Lite Vent System

GR-410-(BLK/WHT/TAN/MPL/OAK/TEAK) - Grill for 4"x10" Opening

- Plastic: Black, White, Tan Wood - Maple, Oak & Teak
- Matches HiFlo Basic & HiFlo Vent System



COOLING & VENT PACKAGES

Product packages have been created to add convenience and value. Products have been grouped to compliment one another and can often times share power supplies. For venting packages, either push/pull configurations can be achieved (one fan intake air, one exhaust) or both units can work in unison to maximize venting.

PK-SV1-(BLK/WHT) - Two Slim Vents, Y-Cable & Power Supply

- Plastic: Black, White

PK-CV1-(BLK/WHT/TAN) - Two Cabinet Vents, Y-Cable & Power Supply

- Plastic: Black, White, Tan

PK-HFL-(BLK/WHT/TAN/MPL/OAK/TEAK) - Two HiFlo Lite Vents, Y-Cable & Power Supply

- Plastic: Black, White, Tan Wood - Maple, Oak & Teak

PK-CP1-BSC- Cooling Package 1: Single Fan Unit, Dual Fan Unit, Y-Cable & Power Supply

PK-CP2-PLS- Cooling Package 2: Two Single Fan Units, One Dual Fan Unit, Y-Cable & Two Power Supplies



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