

## Notes

3 Models – CP-CC-2FN Has 2-92mm Fans, -4FN has 4-92mm Fans, -FL has 4-92mm Fans & 4 Exhaust Blowers

For Rack Installs, Requires Rack Faceplate (RF1-BLK for Black, RF1-OXD for Brushed Black Oxide, or RF1-SLV for Silver)

## COMPONENT COOLING UNIT

### CP-CC-2FN, CP-CC-4FN, CP-CC-FL



This is a very aggressive and versatile full sized (same width as standard components) cooling unit. It circulates air away from components thus protecting equipment from heat accumulations and failures. This unit also allows for, and provides more advanced and unique features. The basic version features two top-quality 92mm Levitation fans that are mounted using special mounting hardware which eliminates noise caused by normal fan vibrations. The unit operates on DC voltage and by adjusting the voltage, the unit can be run silent or more aggressively depending on the application. This unit is ideal for directly cooling amplifiers and receivers installed in cabinetry or rack systems and can also ventilate entire racks and entertainment centers. We also offer two other versions with one featuring four fans and the Fully Loaded version has four fans and four exhaust blowers so hold onto your hat!

### FEATURES

- Engineered To Quietly & Aggressively Cool Full Sized Components - Large Amps, Receivers, etc
- Universal Applications: Rack Mountable or Stack Between Components (Rack Use Requires Rack Faceplate which is Purchased Separately)
- Compact: Less the 2" in Height and Only 1 Rack Unit (1RU)
- Specialty Fans: Specially Manufactured 92mm Levitation (Brushless & Vapo Bearings) Fans for Longer Life
- Fans Mounted Using Specialty Mounting System to Absorb Fan Vibration for Quieter Operation
- Fans Easily Reversible for Directing Air Up or Down Depending on the Application
- Uses Variable Voltage Power Supply to Adjust Fan Speed and Compatible with Temperature Controllers (TC-BSC and TC-AC)
- Additional Configurations and Options: 2FN Unit: 2 Fans. 4FN Unit: 2 Additional 92mm Fans for Extreme Cooling. FL Unit: 4 Fans plus 4 Additional Blowers to Exhaust Air out the Front of the Unit. For the 2FN & 4FN Units, Additional Fans & Blowers can be Added if Necessary

Category 4

Category 5

### GENERAL SPECIFICATIONS

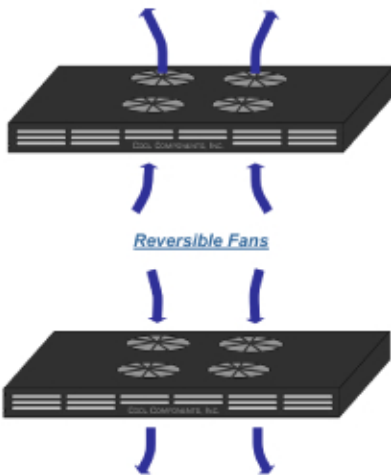
Dimensions:	W - 17" x D - 13.4" x H - 1.4"
Construction:	Heavy Gauge Steel (Painted Black)
Cooling System:	Brushless 92mm Levitation Fans w/Specialty Bearing System for Long Life and Low Noise
Air Flow:	2FN: ~65 <sup>W-CFM</sup> -130 <sup>M-CFM</sup> , 4FN: ~120 <sup>W-CFM</sup> -260 <sup>M-CFM</sup> , FL: ~135 <sup>W-CFM</sup> -278 <sup>M-CFM</sup>

### POWER SPECIFICATIONS

Noise:	Noise Level is Dependent on System Settings and Options (Can easily be run quietly)
Power Connection:	2.1mm Coax Connector w/ 2-Pin FastWire Power System (Ensure proper polarity)
Voltage:	9 to 12 VDC
Current - Amp:	2FN - 250mA, 4FN - 500mA, FL - 700mA

# AIRFLOW CONFIGURATIONS FOR THE COMPONENT UNIT

## COMPONENT COOLER STANDARD VERSION: 2 FANS



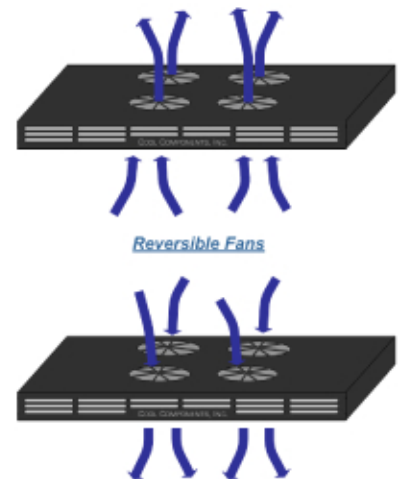
**2-Fan Unit (2FN):** This unit ships with two fans mounted so the air flows from the bottom of the unit through to the top. The fans are easily reversible by pulling them from their mountings, flipping them, and refastening them by pulling the mounts through the mounting holes on the fans. You can also change the orientation of the fans to use any of the four fan openings.

**Four Fan Version/Option (4FN):** This unit has 2 additional fans or two additional fans are available as an option to the Basic Unit. The four fan configuration is for more extreme situations where significant airflow is desired. If adding the fans, they simply plug into an available power jack on the unit

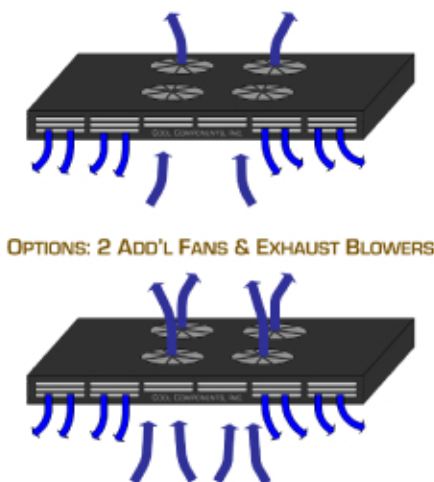
and all of the fans can be powered by a single power supply or separately if desired (req's additional power supplies).

**Fully Loaded Version:** This is the most aggressive unit which includes the four fans as well as a row of 4 blowers that directly exhausts air out the front of the unit. This is a very unique design and provides very significant airflow.

## COMPONENT COOLER OPTION: 2 ADDITIONAL FANS



## COMPONENT COOLER OPTION: EXHAUST BLOWERS



## OPTIONS

**Exhaust Option:** The blowers that are included with the Fully Loaded Version are also available separately so they can be added at any time if purchasing the 2 or 4 Fan Version. This option includes the four blowers and mounts to aggressively vent the air out the front of the unit and away from the components.

**Temperature Controller:** The next option for any of the configurations is to add the Basic On/Off or Advanced Temperature Controller. This provides automated control over the unit to increase the effectiveness of the unit providing more or less airflow depending on the temperature (Advanced Controller provides variable speed).

**Additional Considerations:** There are several additional airflow configurations that can be taken advantage of. Since the unit is open on the bottom, if the unit is mounted on the bottom of a rack with the fans blowing upward, air will be drawn through the front openings into the rack. The same principle exists if mounting between two larger components. In the top of the rack, the unit can be mounted upside

down to then pull air out of the rack. The key is that this unit is intended to move air in various scenarios!

## Notes

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# UNIVERSAL COOLER

## CP-UC



This is a very aggressive and universal cooling and venting unit. This unit can be used as a spot cooler or for various rack applications as it allows for advanced and unique applications. It features six top-quality 50mm Levitation fans that are mounted using special mounting hardware which eliminates noise caused by normal fan vibrations. The unit operates on DC voltage and by adjusting the voltage, the unit can be run silent or more aggressively depending on the application. The fans can also be reversed and the unit oriented to blow air upward or downward. This unit is ideal for a variety of applications including rack mounting, mounting inside cabinets, behind recessed TVs, etc.

## FEATURES

- Professionally Engineered To Quietly & Aggressively Cool in a Variety of Applications
- Universal Applications: Rack Mount, Install in Cabinets, Behind Recessed TVs, etc.
- Very Compact: Less than 2" in Height and Only 1 Rack Unit (1RU)
- Specialty Fans: Six Specially Manufactured 50mm Levitation Fans (Brushless & Vapo Bearings) for Longer Life
- Fans Mounted Using Specialty Mounting System to Absorb Fan Vibration for Quieter Operation
- Fans Easily Reversible for Directing Air Up or Down Depending on the Application
- Uses Variable Voltage Power Supply to Adjust Fan Speed and is Compatible with the Basic On/Off Controller (TC-BSC) and the Advanced Temperature Controller (TC-AC)
- Various Mounting and Airflow Direction Options

Category **3**

## GENERAL SPECIFICATIONS

Dimensions:	W - 19" x H - 1.7" x D - 3.4"
Construction:	Heavy Gauge Steel (Painted Black)
Cooling System:	6 Brushless 50mm Levitation Fans w/Specialty Bearing System for Long Life and Low Noise
Air Flow:	~35 <sup>W-CFM</sup> to 66 <sup>M-CFM</sup>
Noise:	Noise Level is Dependent on System Settings and Options - Can be Operated Silent

## POWER SPECIFICATIONS

Includes PS-300 Power Supply

Power Connection:	2-Pin FastWire Power System (Ensure Proper Polarity - Tip to +)
Voltage:	7 to 12 VDC
Current - Amp:	.3 Amps (300 milliamps) at 12V DC

# VENTING PRODUCT CATEGORY

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**VS-CV (BLK, WHT, TAN), VS-SV (BLK, WHT), VS-HFL(BLK, WHT, TAN), VS-HFB (BLK, WHT, TAN), VS-HFS (BLK, WHT, TAN)**

“Venting Products” are for Venting Entire systems and enclosures. This includes venting cabinets, entertainment centers, various enclosures, and entire rooms or closets.

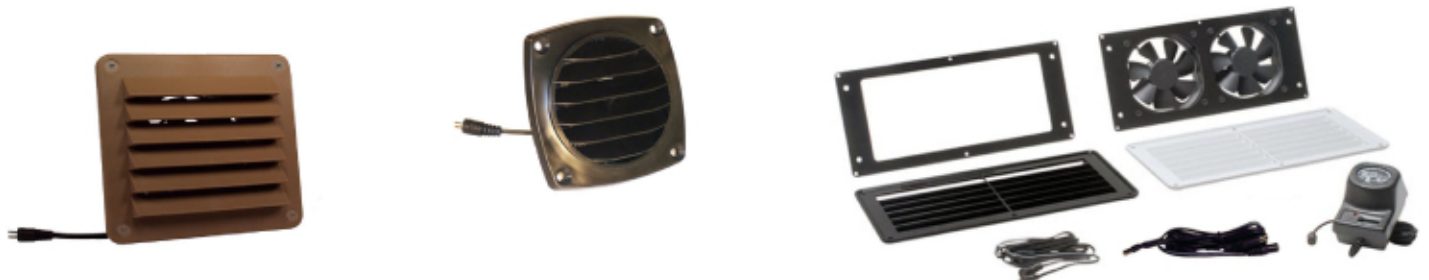


## FEATURES

- Protects Systems from an Accumulation of Heat
- Vents Cabinets and Enclosures that get Extremely Hot especially when Enclosed
- Disperses and Circulates Air Through the Home
- Venting Products are Compatible with the Temperature Controllers (TC- BSC & TC-AC)

## QUICK REFERENCE GUIDE TO VENTING PRODUCTS

- **Cabinet Vent** (VS-CV-BLK,WHT & TAN) - The Cabinet Vent is our best selling product for easily venting cabinets and enclosures. The unit draws fresh air in or exhausts the heated air from the cabinet and away from components. Available in Black, White, and in packages.
- **Slim Vent** (VS-SV-BLK & WHT) - Similar to the Cabinet Vent except it does not require as much mounting depth. Does not move quite as much air at quiet settings. Available in Black & White.
- **HiFlo Lite Vent** (VS-HFL-BLK,WHT & Tan) - The HiFlo Lite unit provides more aggressive venting than the Cabinet Vent. Available in Black & White.
- **HiFlo Basic System** (VS-HFB-BLK,WHT & TAN) - This is for venting large cabinets and includes the fan unit, grill, and power supply.
- **HiFlo Vent System** (VS-HFS-BLK,WHT,WB & TAN) - Designed exclusively for venting rooms and closets. Three versions are available with the only difference being the color of the grills.
- **Universal Cooler** (CP-UC) – Also a ‘Cooling Product’ as it can be used to spot cool components but also provides venting (intake or exhaust) in racks, entertainment centers, cabinets, recessed TV enclosures, etc.
- **Toe Kick Vent System** (VS-CTK) - Draws air into a cabinet through the bottom toe kick.



## Notes

**Requires Power Supply** (Use PS-300 – Multiple Units Can Be Powered with one PS-300)

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# CABINET VENT

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**VS-CV-BLK** (BLACK) **-WHT** (WHITE) **-TAN** (TAN)



This unit is ideal for venting cabinets and enclosures and is self contained so no tubing or other contraptions. It features a top-quality brushless fan for low noise and long life. The fan unit can be configured to pull air out of a cabinet (default configuration) or push air into the cabinet (by reversing the fan). The unit is powered with DC voltage and when used with our Universal Power Supplies, can be run completely silent or more aggressively depending on the application.

## FEATURES

- Quiet & Efficient Operation
- Aggressively Circulates Air in a Cabinet or Enclosure
- Quick and Easy Installation
- Uses Variable Voltage Power Supply to Adjust Fan Speed based on the Application
- Compatible with the Temperature Controllers for Advanced Control (TC-BSC & TC-AC)

Category =  
**2**

## GENERAL SPECIFICATIONS

Dimensions:	W - 3 5/8" x L - 3 5/8" x D - 2 5/8"
Construction:	PVC w/ Gloss Finish (Black, White & Tan)
Cooling System:	Brushless Levitation Fan w/Superior Bearing System
Air Flow:	10.2 CFM (Max)
Noise:	Silent to ~22 dba (Max)
Req'd Hole Size:	3 1/8" – 3 1/4"

## POWER SPECIFICATIONS

Multiple Units Can Be Powered with a Single PS-300 Power Supply

Connection:	2-Pin FastWire Power System (Ensure proper polarity - Tip to +)
Voltage:	7 to 12 VDC
Current – Amp:	.04 Amps / 40 milliamps at 12V DC
Consumption – Watts:	.5 Watts at 12V DC

## Notes

**Requires Power Supply** (Use PS-300 – Multiple Units Can Be Powered with One PS-300)

Compared to the Cabinet Vent, this unit does not move as much air while being operated quietly

## SLIM VENT

**VS-SV-BLK** (BLACK) -**WHT** (WHITE)



This unit is ideal for venting cabinets and enclosures with limited space. The unit is self contained and features a top-quality brushless fan for low noise and long life. The airflow can be configured to pull air out of a cabinet (default configuration) or push air into the cabinet (by reversing the fan) depending on the application. The unit is powered with DC voltage and when used with our Universal Power Supplies can be run completely silent or more aggressively depending on the application. It is recommended to only use this product when the Cabinet Vent (VS-CV) will not fit as the Cabinet Vent moves more air and reversing the fan is easier.

### FEATURES

- Quiet & Efficient Operation
- Effectively Circulates Air in a Cabinet or Enclosure
- Sleek and Compact Size Allows for Placement in the Tight Spaces
- Quick and Easy Installation – Fan Easily Reverses to Change Airflow Direction
- Uses Variable Voltage Power Supply to Adjust Fan Speed based on the Application
- Compatible with the Temperature Controllers (TC- BSC & TC-AC)

Category  
**1**

### GENERAL SPECIFICATIONS

Dimensions:	W - 3 5/8" x L - 3 5/8" x D - 1 1/4"
Construction:	PVC w/ Gloss Finish (Black or White)
Cooling System:	Brushless Levitation Fan w/Superior Bearing System
Air Flow:	10.2 CFM (Max)
Noise:	~22 dba (Max)
Req'd Hole Size:	3 1/8" - 3 1/4"

### Power Specifications

Multiple Units Can Be Powered with a Single PS-300 Power Supply

Connection:	2-Pin FastWire Power System (Ensure proper polarity - Tip to +)
Voltage:	5 to 12 VDC
Current – (Amp):	.05 Amps (50mA) at 12V DC
Consumption – Watts (Each Vent):	.5 Watts at 12V DC

## Notes

Requires Power Supply (Use PS-300 for 1 Unit Only)

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## HiFLO LITE VENT

**VS-HFL-BLK** (BLACK) -**WHT**(WHITE) -**TAN** (TAN)

This unit is ideal for aggressively venting cabinets and enclosures. It is self contained and features a large, top-quality brushless fan for higher airflow, low noise, and long life. The fan unit can be configured to pull air out of a cabinet (default configuration) or push air into the cabinet depending on the application. The fans are mounted using a special vibration damping system which eliminates noise caused by fan vibration and also facilitates easily changing the direction of the airflow. The unit is powered with DC voltage and when used with our Universal Power Supplies, can be run completely silent or more aggressively depending on the application.



### FEATURES

- Quick and Easy Installation
- Quiet & Efficient Operation
- Aggressively Circulates Air in a Cabinet or Enclosure
- Uses Variable Voltage Power Supply to Adjust Fan Speed based on the Application
- Compatible with the Temperature Controllers (TC- BSC & TC-AC)

Category **3**

### GENERAL SPECIFICATIONS

Dimensions (Grill/Fan Assembly):	Grill: 5 1/2" W x 4 7/8" H x 5/8" D / Fan Unit: 5" x 4 1/2" x 1 1/8"
Construction:	Textured PVC (Black, White & Tan)
Cooling System:	One Brushless Levitation Fan w/Superior Bearing System
Air Flow:	65 CFM (Max)
Noise:	~28 dba (Max)
Req'd Hole Size:	4" x 4" (Minimum 3 3/4" x 3 3/4")

### Power Specifications

Use PS-300 Power Supply For One Unit and PS-500 for Up To 2 Units

Connection:	2-Pin FastWire Power System (Ensure proper polarity - Tip to +)
Voltage:	7 to 12 VDC
Current – (Amp):	.12 Amps (125 milliamps) at 12V DC