

EXAIR®

Cabinet Cooler® Systems

Stop electronic control downtime due to heat, dirt and moisture!

Cabinet Coolers maintain NEMA 4, 4X and 12 integrity. All Cabinet Coolers are  and  compliant.

What Are EXAIR Cabinet Coolers?

A low cost, easy to install, maintenance free way to cool and purge electronic control panels. EXAIR Cabinet Coolers incorporate a vortex tube that produces cold air from ordinary compressed air - with no moving parts. The compact Cabinet Cooler can be installed in minutes through a drilled hole or standard electrical knockout. The cost is a fraction of freon-type air conditioners or heat exchangers.

Why EXAIR Cabinet Coolers?

The vortex tube that is incorporated in EXAIR Cabinet Cooler® Systems is constructed of **stainless steel**. The wear, corrosion and oxidation resistance of stainless steel assures long life and maintenance free operation. **EXAIR Cabinet Coolers are UL Listed and CE compliant.**

Selecting the Right Model

EXAIR Cabinet Coolers are available with or without thermostat control.



With thermostat: Model B43xx and B48xx series Cabinet Cooler Systems are thermostatically controlled. They save air by activating the cooler only when temperatures approach critical levels. The adjustable thermostat is factory set at 95°F. Systems with thermostat control are recommended where heat load fluctuates and continual purge is not required.

Applications

- Programmable controllers
- Line control cabinets
- Motor control centers
- Relay panels
- NC/CNC systems
- Modular control centers
- CCTV cameras
- Computer cabinets
- Cool laser housings
- Electronic scales

Advantages

- Low cost
- Compact
- Quiet - less than 75 dBA
- Install in minutes
- No CFC's
- No moving parts — maintenance free
- Mount in standard electrical knockout
- High temp. models for ambients up to 200°F (93°C) available
- Maintain NEMA 4, 4X and 12 integrity



Watch the video at
www.exair.com/02/WatchCCvid.htm



A NEMA 4 Cabinet Cooler cools the panel with 20°F air while keeping the inside clean and dry.

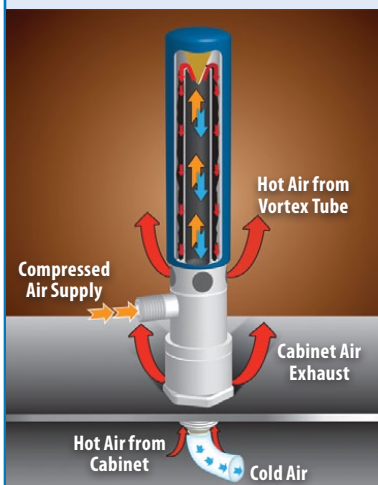


Order by July 31, 2011
Order by August 11, 2011
Receive a FREE AC Sensor
\$47.00 Value
see back for details

- Stop nuisance tripping
- Stop heat damage
- Provide washdown protection
- Eliminate fans and filters
- Eliminate lost production
- Stop circuit drift
- Stop dirt contamination
- Stabilize enclosure temperature and humidity



How EXAIR Cabinet Coolers Work



Compressed air enters the vortex tube powered Cabinet Cooler and is converted into two streams, one hot and one cold. Hot air from the vortex tube is muffled and exhausted through the **vortex tube exhaust**. The cold air is discharged into the control cabinet through the **cold air distribution kit**. The displaced hot air in the cabinet rises and exhausts to atmosphere through the **cabinet air exhaust** at a slight positive pressure. Thus, the control cabinet is both cooled and purged with cool, clean air. **Outside air is never allowed to enter the control panel.**



Without thermostat: Model B42xx and B47xx series Cabinet Cooler Systems are recommended when constant cooling and continuous purge are desired.

EXAIR Cabinet Coolers are available in a variety of cooling capacities. In most cases, 2,000 Btu/hr. is enough refrigeration to offset increased summertime heat load, regardless of panel size. For assistance in calculating the actual heat load of your panel, please complete and return the enclosed FAX sheet, complete the online form at www.exair.com/sizing.htm, or call an Application Engineer at 800-903-9247.

Models with Thermostat Control

The following *Thermostat Control Systems* include the Cabinet Cooler, automatic drain filter, cold air distribution kit, thermostat and solenoid valve.



Model	Description	Price
B4308	NEMA 12 Cabinet Cooler System (<i>dust-tight</i>) - 550 Btu/hr.	\$536.00
B4315	NEMA 12 Cabinet Cooler System (<i>dust-tight</i>) - 1,000 Btu/hr.	\$596.00
B4330	NEMA 12 Cabinet Cooler System (<i>dust-tight</i>) - 2,000 Btu/hr.	\$596.00
B4340	NEMA 12 Cabinet Cooler System (<i>dust-tight</i>) - 2,800 Btu/hr.	\$596.00
B4808	NEMA 4 Cabinet Cooler System (<i>water-tight</i>) - 550 Btu/hr.	\$625.00
B4815	NEMA 4 Cabinet Cooler System (<i>water-tight</i>) - 1,000 Btu/hr.	\$655.00
B4830	NEMA 4 Cabinet Cooler System (<i>water-tight</i>) - 2,000 Btu/hr.	\$655.00
B4840	NEMA 4 Cabinet Cooler System (<i>water-tight</i>) - 2,800 Btu/hr.	\$655.00
B4808SS	NEMA 4X Cabinet Cooler System (<i>corrosion resistant</i>) - 550 Btu/hr.	\$922.00
B4815SS	NEMA 4X Cabinet Cooler System (<i>corrosion resistant</i>) - 1,000 Btu/hr.	\$979.00
B4830SS	NEMA 4X Cabinet Cooler System (<i>corrosion resistant</i>) - 2,000 Btu/hr.	\$979.00
B4840SS	NEMA 4X Cabinet Cooler System (<i>corrosion resistant</i>) - 2,800 Btu/hr.	\$979.00

Models without Thermostat Control

The following *Continuous Operation Systems* include the Cabinet Cooler, automatic drain filter, and cold air distribution kit.



Model	Description	Price
B4208	NEMA 12 Cabinet Cooler System (<i>dust-tight</i>) - 550 Btu/hr.	\$357.00
B4215	NEMA 12 Cabinet Cooler System (<i>dust-tight</i>) - 1,000 Btu/hr.	\$420.00
B4230	NEMA 12 Cabinet Cooler System (<i>dust-tight</i>) - 2,000 Btu/hr.	\$420.00
B4240	NEMA 12 Cabinet Cooler System (<i>dust-tight</i>) - 2,800 Btu/hr.	\$420.00
B4708	NEMA 4 Cabinet Cooler System (<i>water-tight</i>) - 550 Btu/hr.	\$445.00
B4715	NEMA 4 Cabinet Cooler System (<i>water-tight</i>) - 1,000 Btu/hr.	\$476.00
B4730	NEMA 4 Cabinet Cooler System (<i>water-tight</i>) - 2,000 Btu/hr.	\$476.00
B4740	NEMA 4 Cabinet Cooler System (<i>water-tight</i>) - 2,800 Btu/hr.	\$476.00
B4708SS	NEMA 4X Cabinet Cooler System (<i>corrosion resistant</i>) - 550 Btu/hr.	\$758.00
B4715SS	NEMA 4X Cabinet Cooler System (<i>corrosion resistant</i>) - 1,000 Btu/hr.	\$818.00
B4730SS	NEMA 4X Cabinet Cooler System (<i>corrosion resistant</i>) - 2,000 Btu/hr.	\$818.00
B4740SS	NEMA 4X Cabinet Cooler System (<i>corrosion resistant</i>) - 2,800 Btu/hr.	\$818.00



All Cabinet Coolers are CE compliant and UL Listed to US and Canadian safety standards. They mount in minutes through an electrical knockout.

Order any EXAIR Cabinet Cooler System by **August 11, 2011** and we will include a FREE Model 7929 AC Sensor. It's an ideal way to make sure there is power going to the electrical components in your cabinet. The tip of EXAIR's AC Sensor glows bright red, and an audible alert sounds when voltage is present. Test circuit breakers, wall receptacles, switches, fuses, junction boxes and more. **It's even possible to locate electricity through insulation, making it ideal for finding breaks in wires!**

Order by July 31, 2011
Order by August 11, 2011
Receive a FREE AC Sensor
\$47.00 Value
see back for details



THE EXAIR GUARANTEE
EXAIR unconditionally guarantees its cataloged products for 30 days. If you are not satisfied for any reason within that time, you may return the product for full credit with no restocking charge. Of course, this is in addition to our "Built To Last" Warranty.

Order now by calling
1-800-903-9247
We ship from stock!



Terms: Net 30 days upon credit approval
F.O.B.: Cincinnati, OH

For Technical Assistance, Call An EXAIR Application Engineer 1-800-903-9247
Toll Free Fax 1-866-329-3924 • E-mail: techhelp@exair.com • www.exair.com

