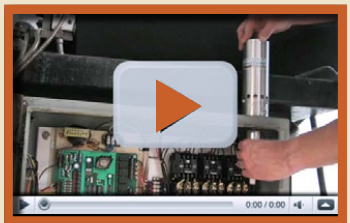
EXAIR®-MAIL
TECHELP 1-800-903-9247 DIRECT
Number 88 NEWS YOU CAN USE FROM EXAIR CORPORATION Summer 2011

Keep Your Electronics Cool and Running!

Hot weather is here already! Be prepared for the problems it brings! Hot weather can cook the electronics in your control panels. And, it usually happens when you least expect it, and always when you can't afford to be shut down. Machines, conveyors and production lines can grind to a halt when circuits and sensors malfunction.



Watch the demo! Click Here

EXAIR's Cabinet Cooler® Systems are the quick, easy fix. Our NEMA 12, 4 and 4X Cabinet Coolers are UL Listed to US and Canadian safety standards, CE compliant, and designed to match the NEMA rating of your particular enclosure. Available in cooling capacities up to 5,600 Btu/hr for large and small control panels, these compact coolers are quickly installed through a standard electrical knockout hole and held in place with the supplied locknut.

In today's energy conscious environment, it makes good sense to save on compressed air use. EXAIR's ETC™ Electronic Temperature Control can help you do just that! It can keep the temperature inside the enclosure slightly under the maximum rating of the electronics. This permits just enough cooling for the electronics without going so cold as to waste compressed air. The temperature inside the electrical enclosure is constantly monitored by a quick response thermocouple with an LED display on the ETC that displays °F or °C.

EXAIR's new ETC limits compressed air use by maintaining an accurate, constant temperature in the enclosure.

Do you have a panel that needs cooling but are unsure what cooling capacity is needed? We can help! If the hot summer weather is creating the problem, in most cases, 2000 Btu/hr is enough refrigeration to offset the summer-time heat load, regardless of the panel size. If you'd like some help calculating the heat load and choosing the appropriate Cabinet Cooler model, contact an Application Engineer at 1-800-903-9247 or by e-mail at techelp@exair.com. They'll be glad to help.

High Temperature Vortex Tubes convert compressed air to cold air at -50°F (-46°C) with cooling capacities up to 10,200 Btu/hr.

Small Vortex Tubes Give Lots of Cooling!

It's hard to believe that something the size of a screwdriver can produce so much cooling! The Vortex Tube has been considered a scientific wonder since it was discovered back in 1928.

Through the years, EXAIR has designed a variety of "applied" products suited to cooling applications such as the Cold Gun for tool cooling, Cabinet Coolers for electrical cabinets, Adjustable Spot Cooler for a wide range of spot cooling applications and the Mini Cooler for cooling small parts. Still, there are thousands of applications that are unique, with the number of cooling applications only limited by your imagination.

A Vortex Tube converts your ordinary supply of compressed air into cold air as low as -50°F (-46°C). Cooling capacities up to 10,200 Btu/hr. are available from stock. And now, we have models that are suited for high temperature applications where the ambient temperatures can reach 392°F (200°C).

Do you have an application where the cold air from a Vortex Tube could help? Please call an application engineer at 1-800-903-9247 or reach them by e-mail at techelp@exair.com.

FREE AC Sensor With Cabinet Cooler Purchase!
Receive a FREE AC Sensor when you purchase a Cabinet Cooler® System by August 31, 2011.
Visit www.exair.com/05/ccpromo.htm for details.
FREE
$47 Value

EXAIR Corporation
Manufacturing Intelligent Compressed Air® Products Since 1983
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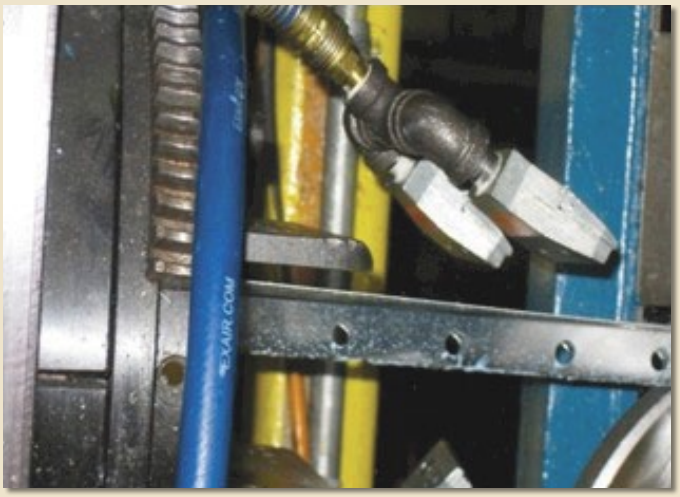
Please see other side

Application Spotlight:

2" Super Air Nozzles Blow Off Coolant



The Problem:

A metal fabricator manufactures a galvanized, metal molding used in the building industry. Coolant is used to form the metal into the desired shape and must be blown off after going through the forming dies. The previous blowoff method used (2) 1/8 NPT squashed pipe nipples to blow the coolant off. This wasted way too much air, using about **120 SCFM** between the two pipe nipples.

The Solution:

The process was retrofitted to use two **Model 1122 2" Super Air Nozzles** and the total air consumption dropped to **44 SCFM**. Air savings using the nozzles was 63%, and the nozzles were much more effective at removing the coolant than the previous home-made solution as well!

Editor's Comment:

There are many applications where EXAIR products can save compressed air and do the job better at the same time! In addition to saving compressed air, the noise reduction achieved by using EXAIR's nozzles is significant. Plus, those open-ended pipes were an OSHA violation since they can be dead-ended. In this case, the compressed air savings was 63%, and this type of savings can be duplicated all over your plant. By using our Intelligent Compressed Air® Products, you will find even more ways to save energy and money! Take a look at our Six Steps to Optimizing Your Compressed Air System at **www.exair.com/05/593.htm** to see where you can start saving today!

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.

Yet Another New Feature!

At EXAIR, we strive to make things easy for our customers and, after considerable planning, we're proud to introduce the all new, easier to navigate than ever EXAIR website! When you visit our site and click Buy Now on the upper menu bar, a whole new set of options appear to make it easy to narrow down your choice and make a purchase. Check it out and see if you agree. **www.exair.com/05/home.htm**

Check it out!

New Application Checklist

For decades, EXAIR's products have solved many common industrial problems. Please call our Application Engineering Department at (800) 903-9247 for help with yours.

- A wine maker uses dry ice to rapidly cool wine during the fermentation process. Before, they used a fork lift to raise large bagged dry ice up 20' to holding tanks. Now, they use two **3" Stainless Steel Line Vacs** to convey and disperse the dry ice, dramatically improving safety as well as saving time and money.
- A machine builder used 3 **Model 1010SS Micro Air Nozzles** to replace a fabricated copper pipe to eject bottles from a mold. Sound levels were reduced well below OSHA levels and air consumption was cut by 60%.
- A medical packager uses a **Model 7292 Ion Air Cannon** to shower instruments with ionized air prior to inserting them into the bag. This removed any static charges and residual dust, allowing them to be hermetically sealed immediately.
- A manufacturer of melamine panels uses a **Model 110084 84" Long Super Air Knife** to provide complete coverage from edge to edge, clearing away any debris that had collected on the panels. This has eliminated defects and quality issues on the finish.

Super Air Wipe™

- Split design - no threading required
- Compact, installs in minutes
- Quiet! - under 75 dBA!
- Many sizes available

360° airstream that is ideal for blowoff, drying, cleaning, and cooling of pipe, cable, extruded shapes, hose and more. The split design offers easy clamping around the surface of the material moving through it.

Call now **(800) 903-9247**

To learn more go to: **www.exair.com/05/425.htm**

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