

Keep Your Electronics Cool and Running!

Hot weather is here already! Be prepared for the problems it brings! Heat can cook the electronics in your control panels. 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.

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 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!



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

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.

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, 2,000 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 techhelp@exair.com. + They'll be glad to help.



CE Compliant Air Nozzles Increase Efficiency And Decrease Overhead

EXAIR's family of Air Nozzles -- from the tiny new Model 1108SS Atto Super Air Nozzle at 2.0 ounces (56.7 grams) of blowing force to the high power Model 1120 Large Super Air Nozzle at 23 pounds (10.4 kg) of strong blowoff force -- have always provided safe, economical performance. Independent laboratory tests now certify that EXAIR's entire Air Nozzle family has also met the rigorous safety, health, and environmental standards of the European Union in order to attain the CE mark.

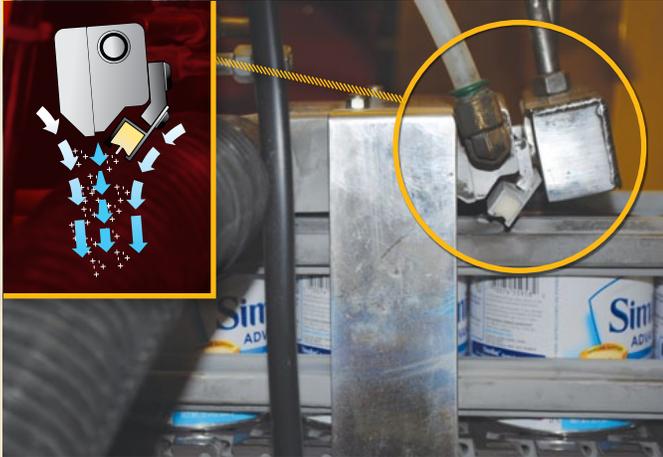
By entraining high volumes of room air, EXAIR's Super Air Nozzles use less compressed air and less energy to provide superior performance to other blowoff products. They produce outlet flows up to 25 times their compressed air consumption using only a small amount of compressed air as the power source. Unlike open pipe and nozzles that haven't been optimized, none of EXAIR's large selection of Super Air Nozzles can be blocked, meeting OSHA's standard for dead-end pressure 29 CFR 1910.242(b).

Air savings, compared to open copper tubes or pipes commonly used for blowoff, can be as high as 80%. Less compressed air means less expense and less noise. The typical noise reduction is 10 dBA. All EXAIR Air Nozzles meet OSHA's sound level exposure requirement 29 CFR 1910.95(a).

And, with our wide selection of Air Nozzles, you are sure to find an Air Nozzle that is perfect for your application. EXAIR's Air Nozzles are a simple solution to reduce excessive air consumption and noise levels on compressed air blowoffs. It's time to "Go Green" by upgrading your blowoff, cooling and drying operation to our award winning Super Air Nozzles! See more at www.exair.com/05/410.htm. +

Application Spotlight:

Remove powder adhered to cans by static electricity with less air and noise.



The Problem:

Customer was using air nozzles to blow powder off cans and was not able to get all of the powder off because of static charges. They added more nozzles but it just got noisier and used more air, and still did not get all the powder off.

The Solution:

Customer installed a **Model 111106 6" (152mm) Super Ion Air Knife Kit**. The powder was effectively removed using half of the air and at a very low 69 dBA.

Since all static charges were removed, the powder did not re-attract to the product. Removing static charges had an additional benefit of not attracting cardboard packing dust as well. Being a food product, the perception of cleanliness is imperative.

Editor's Comment:

Using a static eliminator in areas where static is causing production problems can improve many things. In this case the laminar sheet of ionized air was able to remove more powder, using less compressed air than a set of high air consumption nozzles. And since the static charge was removed the pressure necessary to blow off the dust can be lowered, which results in a quieter environment for the operators.

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.

EXAIR Corporation

Manufacturing Intelligent Compressed Air® Products Since 1983

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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 company manufactures sound system equipment, including speakers and stereos. They use a **Model 6087 4" (102mm) Line Vac** to remove the paper backing from labels after they are applied to the products. The Line Vac carries the scrap paper backing away from the application area and to a collection bin for disposal.
-  A company manufactures plywood building products, as well as paper, pulp, packaging and tissue products. They use a **Model 111254 54" (1372mm) Super Ion Air Knife Kit** to effectively remove dust off plywood sheets after they have been cut out.
-  A bottled liquor manufacturer uses (2) **Model 110009 9" (229mm) Super Air Knives** and (1) **Model 111003 3" (76mm) Super Ion Air Knife** to dry off filled and capped bottles before applying the label. The Super Air Knives were mounted vertically and the Super Ion Air Knife was mounted across the top, creating an archway for the bottles to pass through. This is the perfect way to remove all liquid on the outside of the bottle that could prevent proper adhesion of the label.

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To learn more go to:

www.exair.com/05/430.htm 

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