

EXAIR®-MAIL

Number 40

NEWS YOU CAN USE FROM EXAIR CORPORATION



Summer 1999

Avoid Heat Related Shutdowns

Remember your company's last power outage? Chances are, every piece of machinery in the building came to a screeching halt and production stopped.

Summertime heat creates the same problem when it causes the sensitive electronics in your control panels to fail. The solution for many is to open the panel door and aim a fan at the circuit boards. This "quick fix" isn't a good choice since fans blow hot, dirty air into the enclosure. And, the "live" electrical components are dangerous when exposed to coolants, water or employees.



The new 5" micro Model 4708 NEMA 4 Cabinet Cooler cools a panel with 20°F air while keeping the inside dry.

Cabinet Coolers can quickly (and safely) solve the problem. They isolate the electronics from hostile environments while purging the enclosure with 20°F air. In addition to our existing line of NEMA 4, 4X and 12 Cabinet Coolers, we now manufacture a micro NEMA 4/4X Cabinet Cooler. The small 5" height allows it to be mounted on small enclosures and in confined areas. Like the other Cabinet Coolers, there are no moving parts and the sound level is very quiet (70 dBA).

EXAIR Cabinet Coolers are Listed by Underwriters Laboratories which assures safe operation in harsh industrial environments. Stainless steel construction and thermostat control to minimize compressed air usage is available in capacities up to 2,000 Btu/hr.

If you need help selecting the right model for your overheated enclosure, contact Brian Williams, Neal Raker, Joe Panfalone or Joe Eschleman in our Application Engineering Department at 1-800-903-9247. They will be glad to help.

Low Cost Scrap Removal



A Model 6084 2" Line Vac conveys scrap plastic away from an "L" Sealer.

Today's high speed packaging machinery can do it all - everything from forming bags, opening pouches, inserting materials, closing the container and even neatly putting it in the carton. It seems as though all the bases are covered until there is a problem with scrap trim all over the machine, on the floor, or in the product!

EXAIR's Line Vac air operated conveyor is the solution! Simply add a hose to the exhaust or intake and it is an instant conveyor system. Line Vac is ideal for transporting trim or other reject materials to a barrel or waste container as shown above. Other uses include conveying chips, plastic pellets, fiber tensioning and more. Eight sizes are available in aluminum or corrosion resistant stainless steel (which is ideal for food applications). If you would like to know more, simply return the postage-paid card. We'll send your free copy of our new catalog right away.



Expanded 72 Page Color Catalog for 1999 - Now Available!

EXAIR's new Catalog 16 and Price List is hot off the press. This expanded catalog includes our new products, additional application photos and other technical information that will make it easy to understand and use the EXAIR products. **For your free copy, simply return the enclosed postage-paid card.**

(please see other side)

Application Spotlight: Keeping Machine Ways Clean



The Problem:

A machine shop with a 5-axis machining center had a problem keeping the ways clean of abrasive chips. Limited space did not permit traditional steel way covers which left a wiper to push away the fine dust or chips. It was impossible to ensure that the wiper would keep them clean. Without protection, the abrasive chips could score the surface of the ways. Since the machine manufacturer was no longer in business, the Sunstrand Omni Mill would be down for 12 weeks for repair at a cost of \$6,000 - not to mention the lost production.

The Solution:

A **Model 110006 6" (15cm) Super Air Knife** was installed just before the wiper on each of the ways. **The uniform airflow produced by the Super Air Knife kept all chips and fines clear of the moving path of the machine.**

Editor's Comment:

By performing some preventative maintenance, this machine shop saved a lot of lost production, down time and repair dollars. The Super Air Knife is a dependable solution since it provides a uniform flow (no dead spots) which keeps all surfaces clean. In this case, **strong blowoff force was provided at 40 PSIG which resulted in minimal air consumption and a noise level so low that the Super Air Knife could not be detected.**

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.







Be The First To Know!

Would you like to be the first to know when new things happen at EXAIR (new products or catalogs, performance enhancements, etc)? Give us your e-mail address. **When new information is available, we'll e-mail it to you along with a hotlink so you can go directly to our website for complete details.** Of course, you'll always have the option to "click" your name off of the list at any time. And, EXAIR will not disclose your e-mail address to any third party. **Just fill out the enclosed postage-paid card and mail it today or subscribe on our website at www.exair.com.**

Application Checklist

Since our start in 1983, our compressed air products have solved many common industrial problems. Here are just a few of the recent success stories:

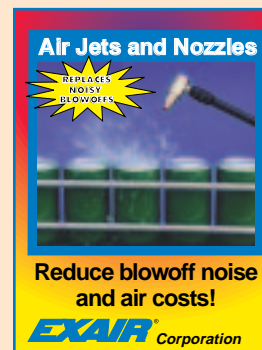
-  A pharmaceutical plant removes static and dust from shampoo bottles with a **Model 111112 12" Super Ion Air Knife System** prior to labeling.
-  A bag making company cools the ink used for bag printing with a **Model 3225 Vortex Tube** for improved print quality.
-  An aircraft maintenance facility empties hydraulic systems with the **Model 6191 Reversible Drum Vac** and also vacuums the occasional spills.
-  A food processing plant forces sticky dehydrated fruit off a conveyor with a **Model 110012SS 12" Stainless Steel Super Air Knife**.

Reduce Blowoff Noise!

Cut air consumption up to 80%
and noise levels up to 10 dBA!



Blowoff • Clean • Cool • Dry



Energy saving Air Jets and Nozzles use a small amount of compressed air to induce a high mass flow of free air - up to 25 times the air consumed! The high outlet flows are ideal for blowoff, cleaning, cooling and drying operations. Air Jets and Nozzles meet OSHA dead-ended pressure requirements. Many styles and materials available.

For more details, return the postage-paid card for a catalog or contact an Application Engineer.