

EXAIR®-MAIL

Number 39

Spring 1999

NEWS YOU CAN USE FROM EXAIR CORPORATION



EXAIR Patent Improves Performance



A Model 120024 4" Super Air Amplifier exhausts smoke away from a welding operation.

Here at EXAIR, our engineers are committed to the ongoing improvement of our compressed air products. Recently, we told you about our new Super Air Knife with improved output, reduced air consumption and surprisingly quiet noise level. Now, we've done the same thing with our air amplifiers. We'd like to introduce the new generation called the Super Air Amplifier. The added performance is so substantial, we patented the design enhancements.

The Super Air Amplifier incorporates a special shim that allows a precise amount of compressed air to be released through its throat. Additional SCFM of surrounding room air is pulled through the center while using less compressed air. Spikes of air that create wind shear are eliminated, resulting in sound levels that are three times quieter! These improvements make them the most efficient of all air amplifiers. Just like the older version, there are no impellers or moving parts to wear out.

Super Air Amplifiers are the ideal way to:

- Exhaust smoke or fumes
- Dry wet parts emerging from a washer
- Cool hot parts on a conveyor
- Distribute heat in molds or ovens
- Boost "maxed out" dust collectors

If you have an application to discuss, please contact Neal Raker, Joe Panfalone or Brian Williams in our Application Engineering Department. They can help!

Y2K Is Not The Only Bug!



Several years ago, the owner of a distribution warehouse read about our Cabinet Coolers and called us in a panic. That particular morning, the summertime heat had just caused a PLC circuit board to fail, shutting down his entire production line. He

could replace the bad board but had no way to get rid of the 90°F heat. He was about to lose a day of production and would have to send the second shift of 88 employees home with pay for the day if he couldn't cool the panel. Within a couple of hours, one of our engineers met him at the local landing strip where he flew in to pick up two Model 4330 Cabinet Cooler Systems. Shortly, he was back at work and the problem was solved.



The NEMA 4, 4X and 12 Cabinet Coolers are available in many cooling capacities for control panels of all sizes.

We always try our best to help and would like to offer a friendly reminder. Summer is on the way – don't let it cook your goose! It's a good idea to keep one of the low cost NEMA 4, 4X or 12 Cabinets Coolers handy for such an emergency. In fact, many people make the Cabinet Cooler a tool room item since they are flashlight sized and can be mounted and working in just a few minutes.

If you'd like to prepare for the worst by doing some advanced planning, we'd be happy to send our Catalog 15. Simply return the enclosed postage-paid card. We'll send your free copy right away!

(please see other side)

Application Spotlight:

Eliminating Paper Jams on a Stacker



The Problem:

A commercial printer with a four-color web press had a problem at the final stage where the printed materials are mechanically stacked. The ink dryer removed the moisture from the printed paper, helping it build a high static charge as it rubbed against the folder, stitcher and trimmer. When the charged brochures finally reached the stacker, they clung to the belts, causing them to lose orientation and jam up. The operator couldn't shut down the web, and as a result, had to throw the finished brochures off to the side or onto the floor until he could clear the paper path.

The Solution:

A **Model 111118 18" Super Ion Air Knife System** was mounted at the approach to the stacker. **The light breeze of ionized air neutralized the static charge and prevented the frequent paper jams.** The operator was able to go back to packing the brochures into boxes.

Editor's Comment:

The ability to shower the entire infeed of the machine with static eliminating ions without disturbing the orientation of the brochures was the key to success in this application. There's nothing more aggravating than having to stand idle, waiting to unjam a machine. Fortunately, the easy installation of the Super Ion Air Knife eliminated the mess and the headache.

Do you have a friend or colleague

that may have an interest in the EXAIR products? If so, please pass on the small enclosed postage-paid card. We'll be glad to send our free 72 page catalog.

www.exair.com

There are many things that just won't fit in our printed catalog. In addition to downloadable CAD drawings, compressed air engineering data and free stuff, you can now securely place your order online! Visit EXAIR today!



Application Checklist

EXAIR's compressed air products solve many common industrial problems. Please call our Application Engineering Department for help with yours.

- A television manufacturer uses **(2) Model 110030 30" Super Air Knives** to dry picture tubes as they exit a wash station.
- An automotive manufacturer conveys small parts from an injection molding machine to a container 7 feet away with a **Model 6084 2" Line Vac**.
- An electronics company uses the **Model 7293 Ion Air Gun System** to blow away static and dust from the glass of flat panel plasma screen displays.
- A major sporting goods manufacturer uses a **Model 3204 Vortex Tube** to cool the machined parting line of molded golf balls.

Eliminate Heat Build Up!

Increase tool life, tolerances
and production rates.



Cooling Without Coolant!



The Cold Gun™ produces cold air at 20°F from compressed air to extend tool life, stop burning, and reduce wheel loading. The Cold Gun is ideal for dry machining or to replace messy mist systems. There are no moving parts to wear out. Applications include tool and carbide grinding, milling, drill sharpening and plastics machining.

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