

EXAIR®-MAIL



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NEWS YOU CAN USE FROM EXAIR CORPORATION

\$4,386.72 - For A Piece Of Pipe?



No. The pipe isn't gold plated. But a lot of people are paying that and more - every year. In an effort to solve their blowoff, drying or cooling problem, they'll simply drill some holes in a pipe and connect it to their compressed air supply. The pipe and fittings cost only \$20 or less. The wasted compressed air can cost thousands.

The EXAIR catalog and web site show a typical example. An 18" pipe with 1/16" holes drilled every 1/2" will consume 140.6 SCFM at a normal operating pressure of 80 PSIG. On average, it costs about \$0.25 per 1000 standard cubic feet of air. That translates into \$2.11 per hour of use, \$84.36 per 40 hour week and **\$4,386.72 per year**. Ouch! By comparison, an 18" Super Air Knife at the same pressure costs \$0.78 per hour, \$31.32 per 40 hour week and \$1,628.64 per year - **a \$2,758.08 savings!** **And, by adding an EFC, you can save even more!**

The next time you walk through your plant, listen for loud compressed air. Drilled pipe and open copper tubes are dangerous since they can be dead-ended and noise levels often exceed 90 dBA. Replacing these air abusers with a compact Super Air Knife eliminates these problems by delivering a uniform, laminar airflow that is only 69 dBA at 80 PSIG.



NEW!

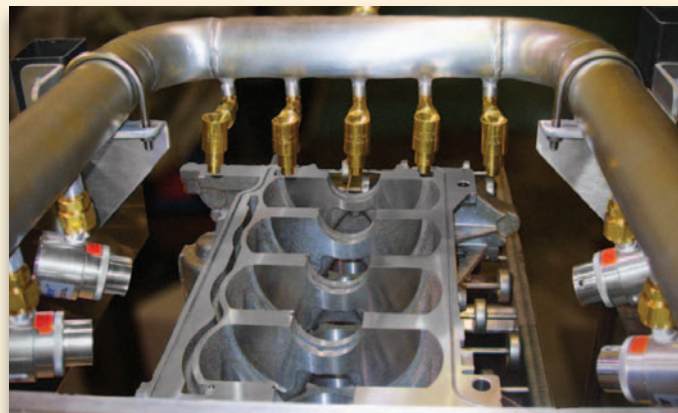
EXAIR's new Universal Air Knife Mounting System provides secure, precise positioning for air knives used to blowoff, dry and cool.

EXAIR has developed a new way to conserve compressed air. The Universal Air Knife Mounting System makes it easy to move the air knife right where you need it to improve effectiveness. Mounting it close allows you to lower the pressure which reduces air consumption. For more details, go to www.exair.com/uakms.htm.

Are you looking to substantially reduce your compressed air use and noise? Contact one of our Application Engineers by calling (800) 903-9247 or by e-mail at techhelp@exair.com.

Cleaning Can Require Several Products

There are many blowoff applications where it is impossible to use only one product to get the job done. That is exactly what happened when trying to blowoff the coolant and chips from the engine block shown below. In addition to the smooth surfaces, the configuration includes milled channels, blind holes and deep cavities.



A combination of EXAIR's Adjustable Air Amplifiers and High Velocity Air Jets blow engine blocks clean of coolant and chips.

Not sure what blowoff products to use for your application? Like this case, it is best to rely on the expertise of our Application Engineers. With their help, the engine manufacturer created a cleaning system using a series of our Model 6041 1-1/4" Adjustable Air Amplifiers to blow out the larger cavities and Model 6013 High Velocity Air Jets for the milled slots and blind holes.

The engineers at this automotive plant were concerned about costly air consumption and noise. If you're cleaning, cooling and drying with air, you should be too. **Contact an Application Engineer at 1-800-903-9247** if you'd like to minimize dollars and decibels.



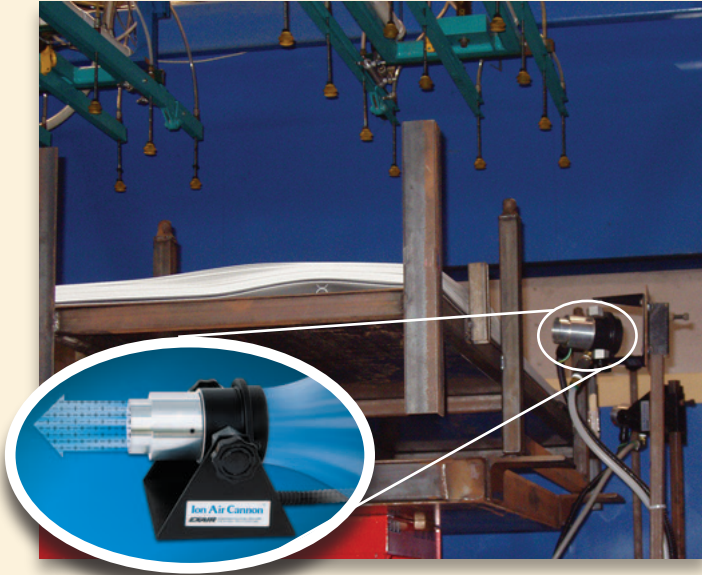
EFC Is A Product Of The Year Finalist



"Plant Engineering Magazine" has just named EXAIR's new EFC a finalist for their 2006 "Product Of The Year" awards. This electronic flow control for compressed air minimizes air use by turning it on only when the part is present. For more information, visit www.exair.com/efc.htm or contact an Application Engineer at 1-800-903-9247.

Application Spotlight:

Eliminating Static Electricity On Plastic Sheets



The Problem:

A manufacturer of vacuum formed plastic products had a problem with static electricity on their plastic sheet stock. The thin plastic sheets are vacuumed around automotive components such as door trims and dashboards to eliminate the need for painting. When the vacuum cups went to lift one sheet, a strong static charge caused other sheets to adhere, picking up several at once. Dust particles attracted to the sheet showed up as raised imperfections once applied to the dashboards, resulting in frequent rejects. The automated system required the constant attention of an operator who experienced painful static electricity shocks as a result of touching the sheets.

The Solution:

They installed the **Model 7292 Ion Air Cannon** to direct a steady breeze of ionized air across the sheet surface and between the sheets. The static charge was neutralized, eliminating the dust attraction and the airflow blew away any contaminants. The operator was no longer required.

Editor's Comment:

The cold, dry days of winter are fast approaching. **It's the time of year when most static problems occur.** EXAIR has a complete line of static eliminators - some that use our engineered airflow products to greatly improve performance and others that can be used in applications where airflow might disturb the product or orientation.

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.

✓ New Application Checklist

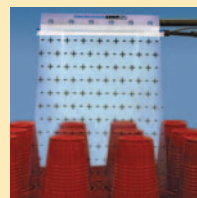
In each newsletter, we briefly describe some recent customer success stories. Please call our Application Engineers at **1-800-903-9247** if you'd like to know more.

- ✓ A food products company uses the **Model 2432 2" (51mm) Super Air Knife** to blow contaminants off their bar code scanners to ensure a 100% read accuracy on their packages.
- ✓ Prior to running metal tubing through a forming press, the manufacturer cuts it to length and blows away all chips on the surface with a **Model 2432 2" (51mm) Standard Air Wipe**.
- ✓ A machine shop eliminated heavy lifting of full bins of parts by using the **Model 6064 2" (51mm) Stainless Steel Line Vac** to transport each part from the screw machine directly to the assembly station 20' (6.1m) away.
- ✓ To eliminate the coolant mess created by their drilling process, a manufacturer of audio visual control systems replaced the mist with a **Model 5315 Cold Gun System**.
- ✓ A manufacturer of mercury lamps replaced their noisy air nozzles with (2) **Model 6030 3/4" (19mm) Stainless Steel Adjustable Air Amplifiers**. The tested bulbs were cooled 212° F (100° C) in 15 seconds and noise level dropped by 15 dBA.

Static Control Products

Prevent jamming, tearing and static electricity shocks!

EXAIR provides the cost effective solution for removing static electricity from plastics, webs, sheet stock and other product surfaces. Production speeds, product quality and surface cleanliness can improve dramatically.



Super Ion Air Knife™ delivers a uniform sheet of static eliminating ions!



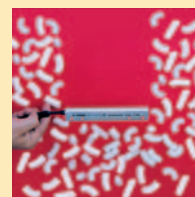
Ion Air Cannon™ provides a concentrated flow for static removal.



Ion Air Gun™ is a rugged, ergonomic, effective spot cleaner.



Ion Air Jet™ is a compact static eliminator that delivers a blast of air!



Ionizing Bars compact, rugged bars eliminate static cling.



Digital Static Meter locates the source of the static problem.