

EXAIR®-MAIL



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NEWS YOU CAN USE FROM EXAIR CORPORATION

Free Of Charge

It's as unpredictable as a California power outage and just as disruptive. Static electricity problems pop up randomly as a result of the cold, dry winter air. Like a loss of power, your production can come to a screeching halt when static cling causes materials to jam up, papers or films to tear, product to stick to itself, or your product surface to become a big dust magnet.

EXAIR manufactures a complete line of static eliminators to combat these production headaches. There are models that combine our engineered airflow products with ionizers to neutralize the charge - at lightning fast speeds and at great distances. We also manufacture "airless" static eliminators for those situations where airflow might disturb the product.



The Ion Air Cannon eliminates static electricity and cleans at distances up to 15 feet!

The new Ion Air Cannon is one of the products that can eliminate the charge and clean. This rugged, redesigned product now incorporates EXAIR's patented Super Air Amplifier that minimizes compressed air use by inducing surrounding airflow at a ratio of 22:1. It's ideal for bench-tops, machine mounting, and those "hard to reach" spaces that require a concentrated flow of static eliminating ions. Common applications include bag opening, cleaning molded parts, pre-paint dust removal, package cleaning and container neutralization.

Webs, shrink wrap, plastics and other charged surfaces are no match for EXAIR's static eliminators. If you'd like full technical details, mail the enclosed postage-paid card for your free catalog or contact our Application Engineering Department at 1-800-903-9247.

Super Air Knife vs. Drilled Pipe



The Super Air Knife (top) uses 63% less air and is 11 times quieter than drilled pipe (bottom)!

Have you ever connected a blowgun or air nozzle to a compressed air line only to get a little puff of air? Compressed air blasting out of drilled plumbing pipe or crimped copper tubes elsewhere in the building is often the source of the problem. Homemade blowoffs are inexpensive to make but can quickly eat up a compressed air supply. They can also use thousands of energy dollars in a year. And the noise is deafening, over 90 dBA, which OSHA considers dangerous.

Compare These 18" Blowoffs at 80 PSIG

Model #	Type Of Blowoff	Air Consumption		Sound Level
		SCFM	SLPM	dBA
110018	18" (46cm) Super Air Knife	52	1329	71
N/A	18" (46cm) drilled pipe*	141	3996	92

*drilled pipe has (37) 1/16" (1.6mm) holes on 0.5" (13mm) centers

As shown by the table above, it's easy to see why the Super Air Knife is the best choice for blowoff, cooling and drying applications. The Super Air Knife reduces compressed air usage by 63% when compared to a drilled pipe **and the noise level is 11 times quieter!** It has been engineered to deliver a uniform, high velocity, high volume sheet of air with low noise and minimal air consumption. Homemade blowoffs deliver inconsistent spikes of air at best.

If you're looking for some good tips on finding the source of your air consumption and noise problems, contact Brian, Kirk, Joe or Neal in our Application Engineering Department. They can help find a solution.



**Need A Catalog?
Send For Your Free Copy Now!**

For complete technical information on the products in this newsletter and others you don't see, simply mail the postage-paid card now for your **free** copy.

Application Spotlight: Removing Chips From A Drilled Part



The Problem:

A machine shop had a run of plastic parts that were drilled and tapped. Since the threaded hole didn't go all the way through, plastic chips remained in the holes. As a result, the threads were ruined when the mating part was inserted. They tried cleaning the blind holes with a blow gun only to have plastic shavings blown all over the other parts and the operator.

The Solution:

The manufacturer purchased EXAIR's new **Model 6394 Deep Hole Vac-u-Gun All Purpose System**. When the trigger was depressed, a small blow tube inserted into the threaded hole provided lift for the chips and shavings. The larger (clear) suction tube vacuumed them away. There was no flying debris to hit the other parts or the operator.

Editor's Comment:

Why waste time blowing chips and shavings all over, and have to vacuum every place where the flying debris landed? EXAIR's Deep Hole Vac-u-Gun blows contaminants loose and vacuums them in one easy step. Using less air than an ordinary blow gun, it replaces dangerous blow guns that can cause chips or debris to fly in all directions. In addition to drilled holes, the Deep Hole Vac-u-Gun is the ideal way to clean punch press tables, holes in fixtures, t-slots, cavities, containers, as well as evacuating coolant from parts.

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**.

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Next time you're on-line, be sure to visit our secure web site. While you're there, add www.exair.com to your favorites (bookmark us in your web browser). It will make it easy to find us the next time you need technical information, a drawing, downloads or to place an order.

Application Checklist

In each newsletter, we summarize some of the common problems solved by EXAIR products. Please call our Application Engineering Department at 1-800-903-9247 for help with yours.

-  A bakery uses the **Model 110024SS 24" Stainless Steel Super Air Knife** to blow crumbs off of baking trays. Hand cleaning was eliminated.
-  An automotive headlight manufacturer removes dust and contaminants from headlight assemblies with the **Model 111106 6" Super Ion Air Knife** prior to applying an aluminum coating.
-  An ammunition plant uses the **Model 6082 1-1/4" Line Vac** to convey slugs up to the hopper on a bullet press. Heavy lifting was eliminated.
-  A manufacturer of automotive brake assemblies cuts the cable conduits to length with a saw. To prevent "gumming up" of the soft metal, they cool them with a **Model 5215 Cold Gun**.
-  A manufacturer of plastic containers ejects the part from a mold with a **Model 6013 High Velocity Air Jet**.

1 Ton Of Refrigeration!

Cold air to -50°F for cooling applications!



EXAIR's Stainless Steel Vortex Tubes™ produce up to 10,200 Btu/hr. with no moving parts. Vortex Tubes convert an ordinary supply of compressed air into two streams; one hot and one cold. Temperatures are adjustable from -50°F to +250°F. Applications include cooling environmental chambers, welding horns, electronic controls, gas samples and CCTV cameras.

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