

EXAIR®-MAIL

Number 41

NEWS YOU CAN USE FROM EXAIR CORPORATION



Fall 1999

Food for Thought - Super Air Knife



A Model 110012SS 12" Stainless Steel Super Air Knife dries vegetables after a rinse operation.

Many companies face the same problem. Finding an economical way to get the parts or conveyor dry isn't easy. Expensive blowers are bulky and often won't fit into the confined spaces of the machinery. And, corrosive or high temperature environments cause them to disintegrate! Noisy drilled pipes or homemade blowoffs give sporadic blowoff at best and use a lot of compressed air in the process.

For well over a year, EXAIR's Super Air Knife has solved many of these blowoff and drying issues. Now, we've addressed the corrosive and high temperature problem by introducing the all stainless steel version of the Super Air Knife. It doesn't rust or corrode and can withstand high temperatures when used near ovens or furnaces. Just like its aluminum counterpart, it dramatically reduces noise and air usage while providing a uniform sheet of air across the entire length. The stainless steel Super Air Knife is ideal for:

- Drying vegetables on a processing line
- Blowing seeds and crumbs off of conveyors
- Drying corrosive car batteries after charging

If you would like an economical way to dry parts, solve a blowoff problem or reduce noise and air consumption, call Joe, Brian or Neal in our Application Engineering Department at 1-800-903-9247. Their help is free of charge and the product is guaranteed!

1 Ton of Air Conditioning!

Since 1983, we've done our best to get the word out about the cooling wonder called the "Vortex Tube". Now, you're starting to see them in applications all over the world! The small, stainless steel Vortex Tube is commonly used for:



Vortex Tubes.

- Setting hot melt adhesives
- Cooling electronic cabinets
- Cooling weld joints
- Shrink fitting metal parts and safety seals

Other applications may not be common but are significant to the companies that use them none the less.

Admittedly, it is sometimes difficult to decide how much cooling is necessary. There are variables such as the material, mass, feeds, speeds, etc. For these situations, we have a cooling kit available for each size



of vortex tube. This gives the user an opportunity to experiment with various flows and temperatures.

Model 3930 Cooling Kit.

Not sure if your cooling problem is best solved by a Vortex Tube? Contact an Application Engineer at 1-800-903-9247 or e-mail us at techhelp@exair.com. They've talked to thousands of people like you, which means there are tons of applications swimming around in their heads. There is a good chance they know about yours! They can tell you if the application is practical and suggest an appropriate model to test.

Need a Catalog?

Return the postage paid-card now for your free copy of the new Catalog 16!



(please see other side)

Application Spotlight:

Water Blowoff After Electro-polish



The Problem:

A plating company receives many vendors machined, stamped or brazed metal parts for electro-polishing - a process that produces a bright, shiny finish. They frequently received complaints from their customers regarding the streaks and water spots left on the parts. It seems that random blowoff with a hand-held air gun didn't get the parts dry. As a result, the process moved at a snails pace since each part had to be towel dried.

The Solution:

The company installed a **Model 110024SS 24" Stainless Steel Super Air Knife** to blow off the parts as they were lifted from the rinse tank. **The product surface was completely dry** since it was blasted with a uniform sheet across the entire length of the parts rack.

Editor's Comment:

The Stainless Steel Super Air Knife was the ideal choice of this application. The corrosive situation that would have pitted aluminum or produced rusty screws had no ill-effects on the stainless steel. The uniform airflow covered all parts on the rack while using minimal compressed air and producing minimal noise.

Give It A Try At No Risk!

We take pride in the quality products we manufacture. In addition to our one year warranty, we extend the following guarantee:

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**.








www.exair.com

Need the dimensional drawing of a product?
Lost the installation sheet?
Need a new catalog?
You can download any of these and more.
Visit EXAIR today!

Application Checklist

In each newsletter, we summarize some common problems solved by EXAIR products. Please call our Application Engineering Department for help with yours.

-  A manufacturer of thermoformed bathtubs and spas uses a **Model 4225 Cabinet Cooler System** to eliminate control panel shutdown that results from the high heat of the operation.
-  After cutting aluminum extrusions, a ladder manufacturer uses the **Model 6193 Chip Vac System** to vacuum the metal chips for recycling.
-  A candy manufacturer uses a **Model 6064 2" Stainless Steel Line Vac** to convey bulk cocoa beans for processing.
-  A company processing polyethylene regrind eliminated a nesting problem (due to static) on a conveyor with the **Model 111106 6" Super Ion Air Knife System**. Throughput increased by 14%.
-  A fabricator of metal products keeps the laser lens clean by exhausting the smoke away with a **Model 120022 2" Super Air Amplifier**.

Eliminate Static and Dust!

Prevent jamming, tearing and shocks up to 20' away!



Low Cost Static Eliminators



EXAIR's Super Ion Air Knife, Ion Air Cannon and hand-held Ion Air Gun eliminate static and clean plastics, webs, sheet stock and three dimensional parts up to 20 feet away! Production speeds, product quality and surface cleanliness can improve dramatically. Ideal for pre-paint blowoff, bag opening, shrink wrappers and package cleaning.

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