

EXAIR®-MAIL

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NEWS YOU CAN USE FROM EXAIR CORPORATION



Light Duty Line Vac For Conveying

Back in early 1996, we developed our series of Line Vac air operated conveyors - commonly used for loading hoppers, removing scrap, transferring parts and moving bulk materials. While in the design stage, our parameters were clear. Our goal was to make them move as much as possible at the greatest distance.

Many of you have told our Application Engineers that moving high volumes isn't always necessary. And, in some cases, the conveying distance is less than 10 feet!



The new Light Duty Line Vac conveys plastic pellets, colorants, scrap, trim and more!

Our solution is the Light Duty Line Vac. These new conveyors are ideal for conveying smaller volumes of materials over short distances. The simplified design utilizes a threaded, two-part construction that provides effective conveying at a lower cost. The air consumption has been reduced to a volume appropriate for light duty applications. Just like Line Vac, the conveying rate of the Light Duty Line Vac is easily controlled with a pressure regulator.

Light Duty Line Vac features inlet and outlet diameters common to hose and tube. Eight sizes from 3/4" to 6" (19 to 152mm), to accommodate a variety of parts and materials, are available. No moving parts or electricity assures maintenance free operation.

If you're trying to find an economical way to convey over short distances, look no further. Call Kirk, Brian, Joe or Neal in our Application Engineering Department at 1-800-903-9247. They will be glad to help.

Flashlight Sized Refrigerator



The Model 3825 Adjustable Spot Cooler keeps electronic components cool during soldering.

People don't believe it until they see it. One thing is for sure - hook up one of our Vortex Tube products and watch it draw a crowd! Most are amazed that the small tube can deliver such cooling power.

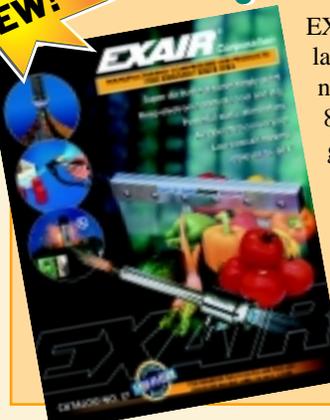
The applications are numerous. Some have warranted the development of "applied products" suited to specific applications such as our Cabinet Cooler for electrical enclosures or our Cold Gun for machining. Along the way, we've engineered ways to improve the performance, reduce the size, and cut noise levels.

EXAIR's Adjustable Spot Cooler is one of the latest "user friendly" products. With a simple turn of a knob, it provides cold airflows from -30° to +70°F (-34° to +21°C). It is ideal for cooling soldered parts, setting thermostats, cooling molded plastics and more.

Would you like to know more about the Adjustable Spot Cooler and other Vortex Tube Coolers? Just request a copy of our new catalog or visit www.exair.com.

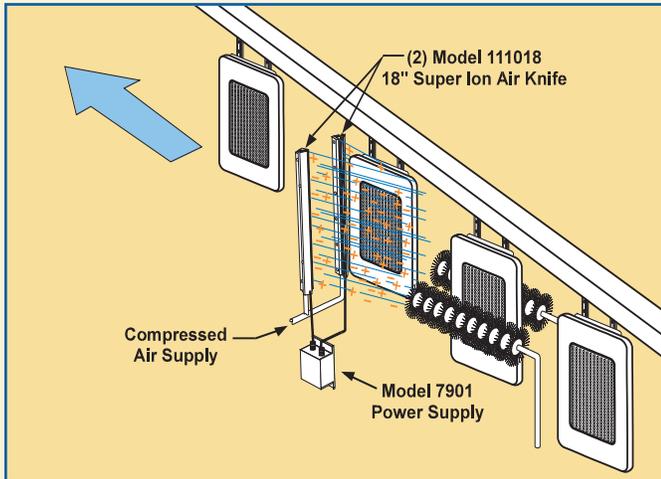


Catalog 17 Available Now!



EXAIR's new Catalog 17 is our largest ever! Along with many new and improved products, this 80 page, full-color technical guide offers solutions to common industrial blowoff, cooling, cleaning, drying, conveying and static electricity problems. Special products are shown throughout. Mail the enclosed postage-paid card now for your **free** copy.

Application Spotlight: Cleaning Microwave Oven Doors



The Problem:

An appliance manufacturer had problems with the cleanliness of their microwave oven doors. In preparation for the installation of the back glass panel, the door frame with the front glass installed passed through a series of soft brushes to remove the dust. However, the high static charge on the door, along with the additional charge built up by the brush friction, attracted vagrant dust particles from the room air. Once the back glass was installed, the dust was trapped between the layers and could be seen when looking through the door. Quality control rejected over 50%.

The Solution:

The manufacturer installed (2) **111018 18" Super Ion Air Knives**, one directed at front surface, the other at the back. **The laminar sheet of ionized air neutralized the static charge and swept the dust away into a dust collector pickup.** The glass was clean and the rejects disappeared.

Editor's Comment:

When product cleanliness, quality or production rates suffer due to static, the Super Ion Air Knife is the answer. The uniform sheet of air it produces assures that all surfaces are neutralized and cleaned. It's also worth mentioning that in this case, air consumption was only 3 SCFM at 5 PSIG and the noise was almost inaudible!

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.**

Application Checklist

EXAIR's compressed air products solve many common industrial problems. Below are just a few of the recent success stories. Please call our Application Engineering Department for help with yours.

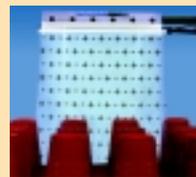
-  A manufacturer of molded plastic parts dramatically decreased process time and the number of reject parts by cooling their ultrasonic welding horns with the **Model 3215 Vortex Tube**.
-  A pharmaceutical company removes the static from capsule shells with a **Model 111006 6" (15cm) Super Ion Air Knife**. Medicinal powder no longer clings to the outside surface.
-  A manufacturer of home insulation products removes remnants of fiberglass batting from a chain conveyor with a **Model 110024SS 24" (61cm) Stainless Steel Super Air Knife**
-  To prevent damage to a die, a metal fabricator uses a **Model 6084 2" (51mm) Line Vac** to remove slugs before the return stroke on a punch press.
-  A textile manufacturer uses the **Model 3808 Mini Cooler** to blow 20°F (-7°C) air on a sensor to maintain correct readings in a hot building.

Eliminate Static and Dust!

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.



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



Digital Static Meter locates the source of the static problem.

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