

EXAIR®-MAIL



Number 64

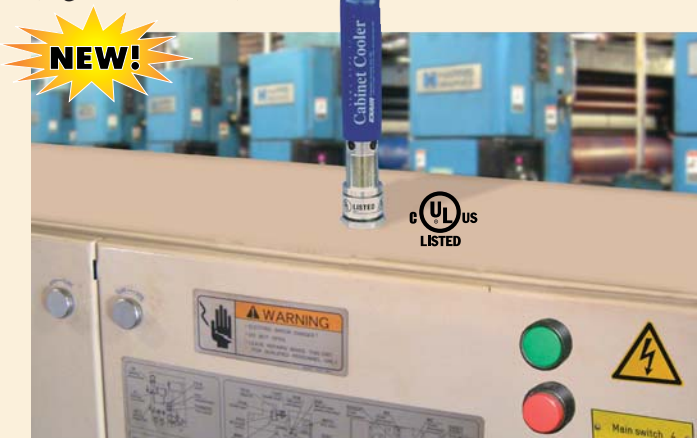
Summer 2005

NEWS YOU CAN USE FROM EXAIR CORPORATION

High Capacity Cabinet Coolers

In recent years, we have seen the development of some very sophisticated electronic controls. Most are designed to work at a maximum ambient temperature of 80°F (27°C). Unfortunately, most of us don't live in a perfect "climate controlled" world and know that when the temperature rises, things are sure to go wrong. Hot weather can cook the circuit boards in your control panels and shut down a machine or entire production line.

There is a low cost solution to this problem. EXAIR Cabinet Coolers convert ordinary compressed air into cold air at 20°F (-7°C) to keep the electronics cool. They're low cost, easy to install, and have no moving parts to wear out. Cooling capacities range from 550 Btu/hr. for smaller enclosures (lower heat loads) all the way up to our new 2,800 Btu/hr. capacity that is suitable for larger enclosures (higher heat loads).



Cabinet Coolers eliminate unexpected shutdowns by keeping the enclosure cool with 20°F air.

EXAIR Cabinet Coolers are UL Listed, assuring you the Cabinet Cooler will maintain the NEMA 4, 4X or 12 rating of your enclosure and keep the inside of your panel cool and dry without risk of a shock hazard. **All systems are supplied with an automatic drain filter separator to keep dirt and moisture from the compressed air out of the enclosure.** Thermostat control is available to minimize compressed air use.

If you would like some help choosing the Cabinet Cooler best suited to your application, contact us at 1-800-903-9247 or by e-mail at techhelp@exair.com. Our Application Engineers can help you determine your heat load and the appropriate Cabinet Cooler model.

The Power Of 12 Air Guns!

Have you ever wished your air gun had extensive reach or incredibly strong blowing force? EXAIR makes what you need! Our new Super Blast Air Guns are available with 4, 7 or 12 Super Air Nozzles that maximize entrained air and force while reducing compressed air use and noise. They provide force of 3.2, 5.7 and 9.8 pounds and are suited to long distance, wide area blowoff.



The Model 1213-12 Super Blast Air Gun blows paper dust out of a web press with the airflow reaching deep into confined areas.

It's not uncommon to find an operator using a long piece of pipe attached to an air hose to get the force and reach needed. The volume of air required is so extreme that it's likely the plant will experience a huge drop in pressure. And, the noise level and dead-ended pressure far exceed OSHA requirements which is very dangerous.



Super Blast Air Guns are available in three sizes:

Model 1213-4 3.2 lbs. of force

Model 1213-7 5.7 lbs. of force

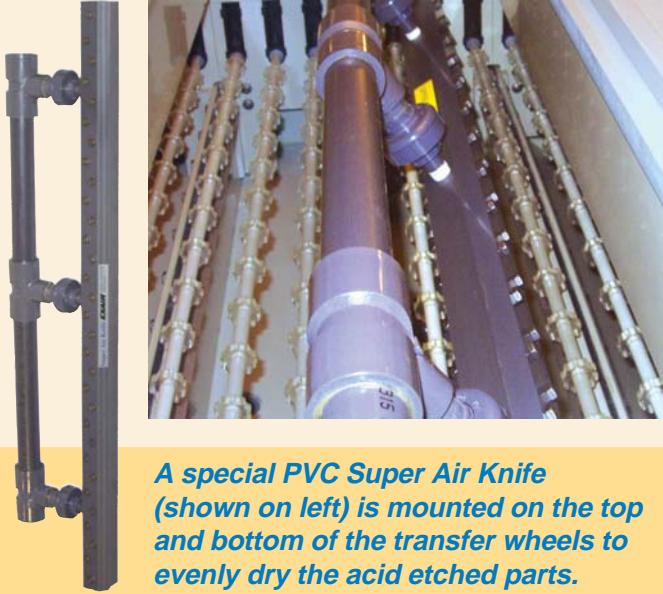
Model 1213-12 9.8 lbs. of force



Super Blast Air Guns use a series of EXAIR's award winning Super Air Nozzles that maintain safe and quiet operation. The largest, with 12 Super Air Nozzles, packs quite a punch but still meets the OSHA noise and dead-ended pressure requirements. For ease of use, a soft comfortable grip and easy to operate valve are provided.

Would you like to know more about the Super Blast Air Guns? Request your FREE copy of Catalog 20 or visit us at www.exair.com/sbag.htm.

Application Spotlight: Drying Acid Etched Parts



A special PVC Super Air Knife (shown on left) is mounted on the top and bottom of the transfer wheels to evenly dry the acid etched parts.

The Problem:

Acid etching is a unique process that chemically removes bits of metal in precise configurations to make items such as printed circuit boards, commercial signs, and metal nameplates. A manufacturer of the acid etching machinery had a problem with their final drying stage. Attempts to dry the parts using plastic flat air nozzles failed. The plastic couldn't hold up to the combination of the chemical and pressurized air. Stainless steel air nozzles were not an option due to the highly corrosive acid.

The Solution:

They installed two special 32" (813mm) PVC Super Air Knives, one mounted above the conveying wheels and one below. As the etched product leaves the cleaning stage, the uniform, laminar airstream blows the top and bottom of the part completely dry. The breakage problem disappeared since the PVC is impervious to the acid.

Editor's Comment:

This manufacturer knew they would be throwing their money away by not having something designed specifically for corrosion resistance. Many EXAIR products can be modified to suit specific applications as it was in this case. Contact an Application Engineer if you are in need of a long term solution that can't be accomplished using our standard products.

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.

Of course, this is in addition to our "Built To Last" Warranty.

Special Offers On Our Web Site



Would you like to receive our on-line special offers or be the first to know of new developments? Go to www.exair.com and give us your e-mail address. We'll keep you informed of any special offers as well as giving you updates on new and existing products.

New Application Checklist

Since 1983, EXAIR products have solved many common problems. You might recognize some of the new ones below. Please call our Application Engineers at **1-800-903-9247** or contact them at techhelp@exair.com for help with yours.

- A snack foods company coats tortilla chips with flavoring powder, then uses a **Model 6060 3/4" (19mm) Line Vac** to convey the excess powder back up to the dispensing hopper.
- A company processing coiled poly tubing uses the **Model 7294 Ion Air Jet** to neutralize static electricity from the tubing surface that had previously caused a sensor to read a false splice.
- In order to maintain a uniform finish, a mill manufacturing cedar shingles uses the **Model 110018 18" (457mm) Super Air Knife** to blow excess stain coating from the shingle surface.
- A manufacturer of conveyor rollers uses the cold air of the **Model 3825 Adjustable Spot Cooler** on their tubing cutter, eliminating the sticky coolant that caused chips to adhere.
- An electronics packaging company inflates the bags on their inserting machines with the **Model 120020 3/4" (19mm) Super Air Amplifier**.

Air Operated Conveyors

Ideal for long distance conveying!



Convey parts, materials, trim and scrap!

EXAIR

Line Vac™ air operated conveyors are the low cost way to transport complex shapes, bulk solids and waste - with no moving parts or electricity. Units eject a small amount of compressed air to produce a vacuum on one end and high output flows on the other with instantaneous response. There are many sizes in aluminum and stainless steel to fit standard hose, tube and pipe.

For more information, see Catalog 20 or contact an Application Engineer at **1-800-903-9247**.