EXAIR®-MAIL

TECHELP 1-800-90-EXAIR DIRECT

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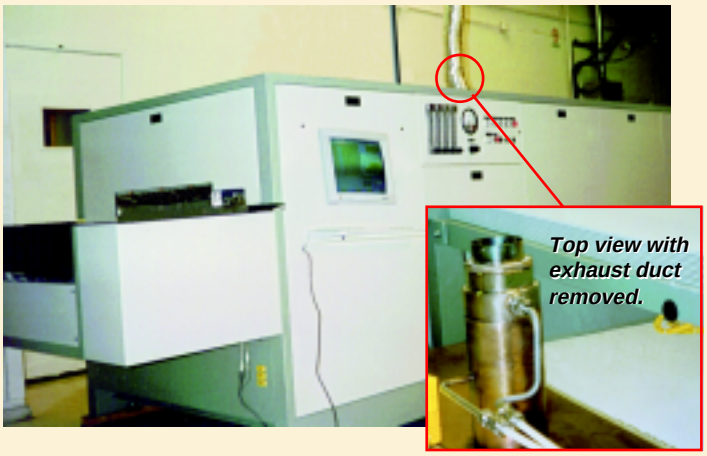
NEWS YOU CAN USE FROM EXAIR CORPORATION

EXAIR Can Take The Heat!

Of all the products we manufacture, the Adjustable Air Amplifier is indeed the most versatile. The number of applications are limited only by the imagination.

Adjustable Air Amplifiers reduce compressed air consumption by pulling in large volumes of surrounding room air. Since there are no impellers, it is possible to run parts or materials such as hose, cable, or fiber optics right through the center. Air Amplifiers are commonly used to:

- Exhaust smoke or fumes
- Cool hot parts on a conveyor
- Dry wet parts as they exit a washer
- Distribute heat in ovens or to mold cavities
- Boost "maxed out" dust collectors



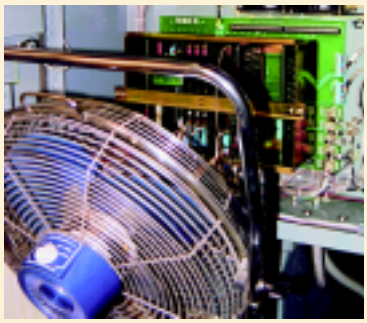
The Model 6032 2" Stainless Steel Adjustable Air Amplifier exhausts hot gases from an oven.

What about high temperatures? Fans or blowers are never a good choice. When temperatures approach 125°F, the bearings and moving parts can't withstand the high temperatures. Not the case with the Adjustable Air Amplifiers. There are models that can withstand 700°F! Wear is not an issue since there are no moving parts.

Adjustable Air Amplifiers are available in many sizes. They deliver flow rates from 1 to over 3,000 SCFM. Aluminum models are ideal for general duty. Stainless steel is the best choice for high temperatures, food service, corrosive and abrasive applications. Preset models (EXAIR's patented Super Air Amplifiers) are also available.

Do you have an application that you'd like to discuss? Call Kirk, Brian, Joe or Neal in our Application Engineering Department. They'll be glad to help.

Avoiding Heat-Related Shutdowns



An open panel door with a fan blowing in is a sure sign that hot weather has arrived. Overheated circuit boards can cause all kinds of weird electronic glitches, often shutting your equipment down.

One thing is for sure, if the machine works during the cool morning hours, then stops when the temperature rises, the problem is heat related. Most people are quick to find that fans aren't the cure since they blow around a lot of hot air. Fans also direct dirt into the enclosure. And, the open door leaves personnel exposed to potential electrical shocks.

A Model 4608 NEMA 4 Cabinet Cooler keeps the enclosure cool, clean and dry with 20°F air.

EXAIR manufactures a complete line of NEMA 4, 4X and 12 Cabinet Coolers that offer a wide range of cooling capacities up to 2,800 Btu/hr. All models are UL Listed and are available with thermostat control to minimize compressed air usage.

Be ready for those heat related shutdowns by planning now. Complete technical information is in our catalog. Simply return the enclosed postage-paid card and we'll send your free copy right away.

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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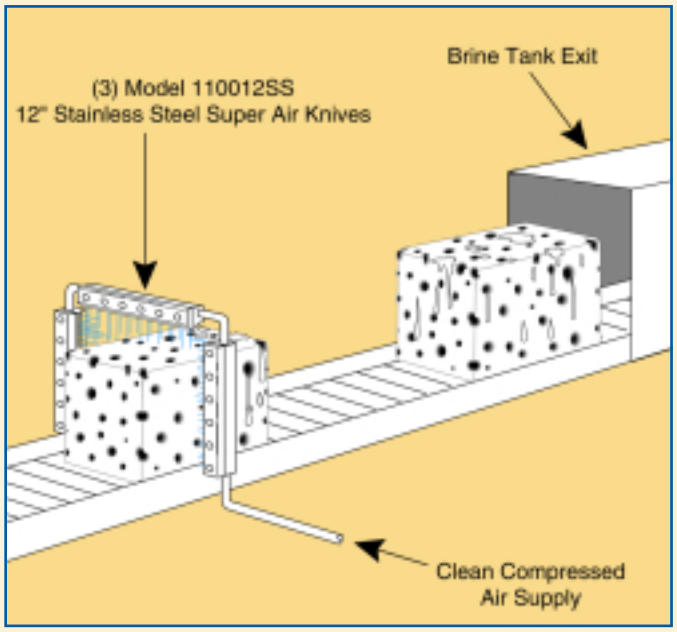
Please see other side

Application Spotlight:
Drying Cheese Prior To Aging



The Problem:

A maker of dairy products had a problem in their creamery. As part of the cheese making process, the curd is cooked, and then pressed into molds. Salt is then added to the cheese by immersing it in a brine solution. At the exit of the bath, they attempted to dry the cheese blocks using plastic spraying nozzles. Sporadic air coverage left the blocks wet. The air consumption and loud noise from their many production lines were unacceptable.

The Solution:

The company installed **(3) Model 110012SS 12" Stainless Steel Super Air Knives** on each line to surround the block. The uniform, laminar sheet of air wiped the brine from all surfaces of the cheese block. **The cheese was dried using only a third of the compressed air previously consumed. Noise level improved so dramatically that they could carry on a conversation right next to the blowoff operation without having to raise their voices.**

Editor's Comment:

In this case, the low air consumption along with the quiet, uniform airflow made the choice to replace the plastic nozzles a "no brainer". The substantial air savings paid for the Stainless Steel Super Air Knives in a short period of time. It is also worth noting that the stainless steel construction meets USDA guidelines and will hold up to normal cleaning without corrosion.

Do You Have a Friend or Colleague

that may have an interest in the EXAIR products? If so, please pass on the small enclosed postage-paid card. We'll be glad to send our free 80 page catalog.

Application Checklist ✔

Since 1983, EXAIR's compressed air products have solved many common industrial problems. For help with yours, please call our Application Engineering Department at 1-800-903-9247.

- ✔ During the hot summer months, a printing company uses the **Model 4208 Cabinet Cooler System** to cool a press control panel. In the cooler season, they regulate the pressure down to 10 PSIG to continue to keep the paper dust out.
- ✔ A garden hose manufacturer uses the **Model 120022 2" Super Air Amplifier** to dry the hose following a cooling bath. Running it through the center of the Super Air Amplifier provided 360° coverage.
- ✔ A sawmill uses the sheet of air from a **Model 110003 3" Super Air Knife** to keep sawdust off a scanner window used to determine log position.
- ✔ To eliminate "misreads" on an inspection line, a packaging machine manufacturer keeps an optical laser cool with a **Model 3215 Vortex Tube**.
- ✔ An automotive plant uses the **Model 7293 Ion Air Gun System** to remove plastic fines from gas tanks after machining the "fill" opening.

Eliminate Heat Build Up!

Increase tool life, tolerances and production rates.

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Machining Without Coolant!

The Cold Gun™ produces cold air at 20°F from compressed air to extend tool life, stop burning, and reduce wheel loading. The Cold Gun is ideal for dry machining or to replace messy mist systems. There are no moving parts to wear out. Applications include tool and carbide grinding, milling, drill sharpening and plastics machining.

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

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