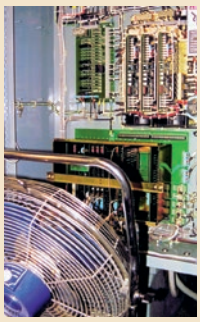
EXAIR®-MAIL
TECHELP 1-800-903-9247 DIRECT
Number 100 NEWS YOU CAN USE FROM EXAIR CORPORATION Summer 2014

The Secret to Keeping Your Electronics Cool and Running!



Hot weather is here already! Be prepared for the problems it brings! The high temperatures can easily cause electronics to overheat and fail. And, it usually happens when you least expect it, and always when you can't afford to be shut down. **Putting a fan in front of an open panel door is not the solution!**

The "secret" to resolving your over-heating panel problems is EXAIR's Cabinet Cooler® Systems! Our NEMA 12, 4 and 4X Cabinet Coolers are UL Listed to US and Canadian safety standards, CE compliant, and designed to match the NEMA rating of your particular enclosure. Available in cooling capacities up to 5,600 Btu/hr for large and small control panels, these compact coolers are quickly installed through a standard electrical knockout hole.

In today's energy conscious environment, it makes good sense to save on compressed air use. EXAIR's ETC™ Electronic Temperature Control turns the cooler system on and off as needed. This permits just enough cooling without wasting compressed air. The temperature inside the electrical enclosure is constantly monitored by a quick response thermocouple with an LED display on the ETC that displays °F or °C.

ETC™ provides precise temperature control for electrical enclosures.

Are you unsure what cooling capacity is needed? We can help! If the hot summer weather is creating the problem, in most cases, 2,000 Btu/hr is enough refrigeration to offset the summertime heat load, regardless of the panel size. If you'd like some help calculating the heat load and choosing the appropriate Cabinet Cooler model, contact an Application Engineer at **1-800-903-9247** or by e-mail at **techelp@exair.com** They'll be glad to help.

FREE AC SENSOR With Cabinet Cooler Purchase!

Receive a FREE AC Sensor when you purchase a Cabinet Cooler® System by August 31, 2014.

For more details, go to

http://www.exair.com/05/ccpromo.htm

New One Piece Long Super Air Knives!

EXAIR's new **Long Super Air Knives™** produce a laminar sheet of airflow to blowoff, dry or cool wide surfaces up to 108" (2743mm). The compact, energy efficient design minimizes compressed air use by entraining 40 parts room air to one part compressed air. It is ideal for use on wide parts, webs and conveyors. And, now, **EXAIR manufactures those Super Air Knives in a seamless, one piece design, so there is no need to couple multiple air knives together**.

The Long Super Air Knives provide a uniform, high volume, high velocity curtain of air that is infinitely adjustable from gentle blowing force to a hard-hitting blast of air. The compact profile measures 1.75" x 1.44" with compressed air inlets located on each end and the bottom to permit easy mounting in tight spaces. The Long Super Air Knife is quiet, maintenance free, has no moving parts to wear out and is CE compliant.

Long Super Air Knives are stocked in 60" (1524mm), 72" (1829mm), 84" (2134mm), 96" (2438mm) and 108" (2743mm) lengths. They ship in your choice of aluminum, Type 303 or Type 316 stainless steel.

A factory installed plumbing kit is also available that makes it easy to connect Long Super Air Knives to any plant compressed air system and obtain the best performance. For more information, go to **http://www.exair.com/05/lgsak.htm**. If you would like to see the Air Knives in action, watch our video at **http://www.exair.com/05/WatchAirKnives.htm**.

EXAIR offers the **Model 9060 Universal Air Knife Mounting System** to provide secure, precise positioning for the Air Knives. The Universal Air Knife Mounting System can be articulated into any position and provides a maximum extension of 30" (762mm). Long Super Air Knives will require multiple mounting systems. For more information, go to **http://www.exair.com/05/uakms.htm.**

EXAIR® Corporation
Manufacturing Intelligent Compressed Air® Products Since 1983
11510 Goldcoast Drive • Cincinnati, OH 45249-1621 • Phone (513) 671-3322
FAX (513) 671-3363 • E-mail: techelp@exair.com • www.exair.com
@exair

Please see other side

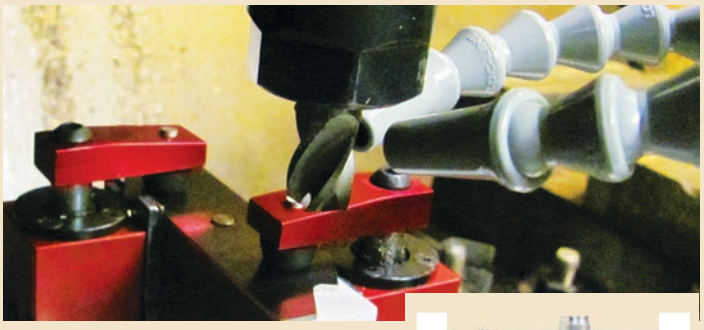
Application Spotlight:

To provide cooling on a milling operation which is being run dry to protect the integrity of a food grade 400 series stainless steel blade product.

Before EXAIR:

The blade manufacturer eliminated all oils and lubricants from the process because it caused a secondary cleaning operation, increased the time to manufacture each blade and increased manufacturing costs. They switched to blowing open line compressed air on to the blade to provide some cooling. This process did improve the milling operation by removing some heat but they still saw premature tool wear. The open air line was also loud and consumed a great deal of compressed air.

After EXAIR:



This customer installed a **Model 5330 High Power Cold Gun Aircoolant System™** with two cold outlets onto his milling operation. The two cold outlets were positioned to blow cold air on to each side of the tool and on the blade to remove heat. This allowed them to continue milling without any coolant or lubricant but with enhanced results over the open blow-off. The speed of the operation increased by 20%, thus increasing production. A 30% increase in tool life lowered manufacturing costs. And they also realized the benefit of decreasing the noise compared to the old style open blow-off.

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.

New Application Checklist

EXAIR products solve a variety of problems. Please call our Application Engineers at 1 (800) 903-9247 or e-mail them at techelp@exair.com for assistance with yours.

- A tier 1 automotive supplier integrated a new robotic paint line blow off system into their old conveyor, wash, and oven line. They added several **Model 6234 4" (102mm) Stainless Steel Adjustable Air Amplifier Kits** as a blow off system to eliminate some water spotting issues.
- A major contact lens manufacturer is separating out rejected contact lenses at a vision inspection station with EXAIR's **Model 6080 3/4" (19mm) Line Vac**.
- A company manufactures glass for both industrial and commercial use. They need to remove chips and shavings off large sheets of glass after they have been cut to size and the edges smoothed out. A **Model 110054 54" (1372mm) Super Air Knife** provided an even curtain of air across the entire width of the glass to "sweep" the chips off the surface as the glass sheet moves under the airflow.
- A packaging contractor silk screens decoration onto glass bottles. Static-laden corrugated debris from the packaging was contaminating the bottles and it was labor intensive to manually clean the bottles before the printing application. A **Model 7294-9362 Stay Set Ion Air Jet** solved the problem and eliminated the manual cleaning operation.

EFC DRAMATICALLY REDUCES COMPRESSED AIR COSTS by turning off the air when no part is present!

Electronic flow control minimizes compressed air use for blow off, drying, cooling, conveying and static elimination operations!

EXAIR's CE compliant EFC™ is a user-friendly electronic flow control for compressed air that is designed to minimize compressed air use on blow off, drying, cooling, conveying and static elimination operations. The EFC combines a photoelectric sensor with a timing control that limits compressed air use by turning it off when no part is present. The timing control permits easy tuning to the application requirements while providing flexibility in sensing distance. The EFC also has eight programmable on and off modes.

To learn more go to: **www.exair.com/05/efc.htm**

EXAIR Corporation
Manufacturing Intelligent Compressed Air® Products Since 1983
11510 Goldcoast Drive • Cincinnati, OH 45249-1621 • Phone (513) 671-3322
FAX (513) 671-3363 • E-mail: techelp@exair.com • www.exair.com