

Summer is Heating Up

The Summer season is widely considered one of the best times of the year because of the things it represents. Outdoor activities, vacations and grilling are some immediate things that may come to mind, but the most consistent by product of the summer season is heat. While the rise in temperature is enjoyable for many summer activities, it can wreak havoc for sensitive electronics and electrical enclosures. Often times in busy manufacturing facilities, that same heat can cook controls in machines, resulting in erroneous readings, trip-outs or fried circuit boards, leaving processes at a costly standstill.

Cooling these sensitive electronics becomes imperative and luckily EXAIR offers a low-cost, reliable solution in our patented Cabinet Cooler® Systems. EXAIR Cabinet Coolers incorporate a vortex tube to produce cold air from compressed air - with no moving parts. Cabinet Coolers

convert an ordinary supply of compressed air into clean, cold 20°F air to protect electrical enclosures from overheating. EXAIR Cabinet Cooler Systems come in different cooling capacities and NEMA ratings to suit all enclosures - big and small. NEMA 12, 4, and 4X are UL listed and our Hazardous Location Cabinet Cooler systems are Classified UL listed - meaning they are approved for Class I Div 1 groups A, B, C and D - Class II Div 1 Groups E, F and G - and Class III.

Download our White Paper "Cabinet Coolers End Costly Shutdowns" at <https://exair.co/ccecs05> to read about a particular cooling success story.

A company by the name of Lasercraft was directed to EXAIR Cabinet Coolers and found that not only were they easy to install, compact in size and readily available, but also maintenance free, quiet, reliable and inexpensive.

Read a great testimony on how EXAIR Cabinet Coolers ended costly shutdowns for Lasercraft.

EXAIR also offers other products to assist with cooling needs including Vortex Tubes, Adjustable Spot Coolers, Cold Guns, Super Air Knives, Super Air Nozzles, Super Air Amplifiers, Super Air Wipes and more. Visit EXAIR.com and get to know the different options for on demand cooling, or chat directly with one of our Application Engineers about what Cabinet Cooler Systems specifically can offer a facilities process.

For a limited time, purchase any Cabinet Cooler System and get a free gift with purchase!

Visit <https://exair.co/ccpromo05> to learn more.

EXAIR's New Cabinet Cooler® System Calculator

With the breadth of available options, choosing the best Cabinet Cooler for a specific environment can be a tedious task that depends on a few key factors. EXAIR's new Cabinet Cooler system Calculator, found online at <https://exair.co/cccalc> in the Knowledge Base, makes it fast and easy to find the perfect model of Cabinet Cooler system for any specific application.

By providing certain information like size of the enclosure, NEMA rating needed and environmental conditions, our new calculator will sort through our large selection of ready-to-ship Cabinet Cooler Systems and provide instant feedback on the best model number for any applicable electrical enclosure. Taking the guess work out of the equation, EXAIR's Calculator ensures the customer that they can be confident in selecting the correct product for their unique specifications.

Visit <https://exair.co/cccalc> to learn more.



New TurboBlast Safety Air Gun

The TurboBlast® Safety Air Gun is the latest installment to the EXAIR line of Safety Air Guns. This durable and ergonomic Air Gun is capable of producing up to 23lbs of airflow force with ease. With a rugged cast aluminum handle and an easy-to-actuate trigger, just a slight amount of squeeze activates the nozzle and provides the exact amount of air that the user desires through an adjustable flow valve.

The TurboBlast has many safety and utility advantages as well like an integrated nozzle guard, a "Dead Man's" grip for turning off airflow when dropped, and meeting all OSHA noise and pressure standards. Perfect for removing stubborn debris, slag, flash or liquids from many harsh processes.

Learn more about the TurboBlast Safety Air Gun at <https://exair.co/05-tbsag>.

Safety Air Gun Reduces Sound Level & Increases Safety



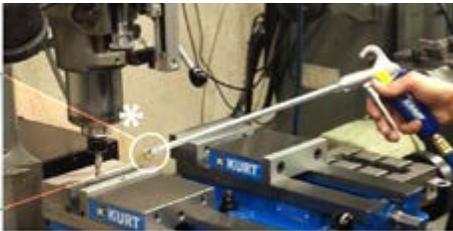
After performing a noise level safety audit, this customer was seeking a blowoff solution that would fall below OSHA's allowable noise exposure Standard 29 CFR 1910.95(a) to replace their existing noisy, unsafe hand-held compressed air guns in their machining operation.

BEFORE EXAIR: The facility operated at 40 PSIG line pressure for all hand-held blow guns to try and maintain a safe sound level. Their safety team measured sound levels 1' away from the nozzles with a calibrated sound level meter. They recorded sound levels of 101 dBA. Under OSHA Standard 29 CFR 1910.95(a), the operator would be limited to 2 hours of exposure at that noise level. The existing gun design also put the operators in close proximity to the cutting head.



Model #1102

* **Model #1299-12** Soft Grip Safety Air Gun with 12" aluminum extension and 1102 Mini Super Air Nozzle



AFTER EXAIR: Testing our **Model 1299-12 Soft Grip Safety Air Gun with 12" extension**, they were able to reduce the sound level to 81 dBA @ 40 PSIG from 1' away. This reduction of 20 dBA met their internal requirement of less than 85 dBA. The addition of the 12" extension also kept the operator further away from the cutting head, resulting in safer operation.



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.

EXAIR.com

11510 Goldcoast Drive • Cincinnati, OH 45249-1621
Phone (513) 671-3322 FAX (513) 671-3363
E-mail: techhelp@exair.com • www.exair.com



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 techhelp@exair.com for assistance with yours.



Recover Oil, Prevent Buildup

Company manufactures custom sheet metal projects. They have a brazing oven and are having trouble with the lubricant they use on the drive chain which carries the parts through the oven. The oil they use breaks down due to the heat in the oven and bakes onto the drive chain, leaving a sticky paste covering the chain. The sticky covering prevents the oil from getting into some of the drive chain areas which must be kept lubricated. They are also losing oil, which they would like to recover. They have chosen an EXAIR **Model 110006 6" (152mm) Super Air Knife** to remove the excess oil, which they recover in a drip pan. This also minimizes the baked-on oil residue, which increases the time between maintenance cycles of the drive chain.

GO TO <https://exair.co/05-sak>



Applying Flavorings to Dog Food

A pet food producer is distributing flavor onto dog food inside a helix barrel. The flavor is being dispensed from a drop chute and relying on the helix to distribute it on the product. The flavorings have a tendency to clump and result in an uneven coating. The **Model 120024 4" (102mm) Super Air Amplifier** is used to fluidize the flavor as it comes out of the drop chute. This has provided an exceptional coating to the product and has eliminated the need for an expensive redesign process.

GO TO <https://exair.co/05-sal>



Cooling an Automotive Door Seal

Vortex Tubes are used to cool down an automotive door seal extrusion before it is coated with a color to match the interior of the car. The coating process cannot be done until the original extrusion is cool. The **Model 3240 Vortex Tube** sped up the production, allowing it to move quickly and smoothly.

GO TO <https://exair.co/05-vt>

Save with EXAIR® Cabinet Cooler Systems

Keep your electronics cool!

Check out EXAIR's Cabinet Cooler Promotion. Receive a FREE AC SENSOR with Purchase!

Offer good for U.S. and Canadian customers only.

To learn more go to: https://exair.co/05_ccpromo_ad