

## Get Ahead of Record Temperatures with EXAIR Cabinet Coolers

Temperatures around the world are projected to reach record highs this summer, and that means processes that are sensitive to heat will face a litany of problems including breakers tripping, readings being wildly inaccurate, and circuit boards completely frying.

Don't let overheated control panels and enclosures cost your facility time and money this summer. Do let EXAIR's Cabinet Cooler® Systems solve your problem! Get the perfect, low-cost solution to combat heat related problems, and browse a variety of models suitable for different enclosures and environments.

Not sure if Cabinet Coolers are the solution for you? Contact an EXAIR Application Engineer at [techhelp@exair.com](mailto:techhelp@exair.com).



Our engineers have years of experience working directly with customers to find the solution that best fits their unique process and problems. EXAIR even offers a Cabinet Cooler Calculator to simplify the process of finding your specific model. Try it out at this link address <https://exair.co/05-ccalc>.

Cabinet Coolers utilize Vortex Tube technology to provide clean cold air to your enclosure while simultaneously exhausting any hot air in the cabinet. Watch a quick visual on how Cabinet Coolers work by following this link: <https://exair.co/05-ccvid>

Visit our site to learn more and for a limited time, take advantage of our special promotional offer on any Cabinet Cooler® System.

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

## ATEX Cabinet Coolers

EXAIR's line of Cabinet Cooler Systems are an industry leading solution for protecting your sensitive electronic enclosures. With the demands of an evolving industry, we understand different processes require different solutions that also meet specific safety guidelines.

ATEX Cabinet Cooler® Systems are engineered and approved for use upon purged electrical enclosures within the ATEX rated Zones 2 and 22. These Cabinet Coolers meet all the stringent

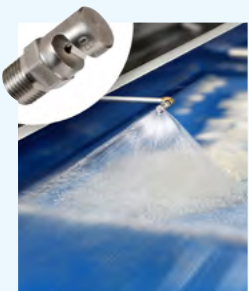


requirements for explosive environments and provide a low-cost and reliable solution, with no moving parts to wear out.

Like the rest of EXAIR's Cabinet Coolers, ATEX Cabinet Coolers can be installed in minutes through a standard electrical knockout and come in various cooling capacities from 1,000 to 5,600 Btu/Hr for any enclosure, small or large. Available in both aluminum and stainless steel, ATEX Cabinet Coolers are CE compliant and maintain NEMA 4/4X integrity in applications like relay panels, PLC's, motor control centers and more!

Shop ATEX Cabinet Coolers here: <https://exair.co/05-ATEX>

## EXAIR's New FloodStream Liquid Atomizing Nozzle



EXAIR continues to add to its line of Liquid Nozzles with the new 1/8 NPT FloodStream Liquid Atomizing Spray Nozzle. Its compact design is perfect for spraying processes where space is at a premium, and it offers a clog-resistant and durable tool to meet spray application needs.

Producing a deflected flat fan pattern, the FloodStream provides a consistent spray for precise coverage in close quarters. Manufactured from 303 stainless steel, common applications include washing/wetting, dust suppression, lubrication, part cooling and more!

Shop the new FloodStream Liquid Atomizing Spray Nozzle on our site today by clicking here: <https://exair.co/05-dls>

## Super Air Nozzles Improve Inspection Accuracy & Reliability

**APPLICATION GOAL:** Customer is an OEM who builds 20 automated systems every year. One of the most time-consuming applications is heating and bending Teflon tubes that route fluids around the system. So, they wanted to speed up the time it took to do this, and increase the accuracy of the bends.

**BEFORE EXAIR:** When forming Teflon tubing for plumbing runs inside these large processing machines, the tubing needs to be heated with a heat gun to soften the tube to allow for forming. After forming, the tube must cool down to hold its shape. Cooling time can take approximately 6 minutes per bend. Alternatively, ice water-soaked rags can be used which may decrease the time down to 2-3 minutes. However, there is no guarantee that the form will hold at the precise angle and may need to be reformed, which starts the process over again. Also, ice water and rags create a mess and can cause a slipping hazard if dripped on the floor.



**AFTER EXAIR:** Using the EXAIR Model 3925 Adjustable Dual Spot Cooler System, they were able to decrease the cooling time to under one minute. And due to the dual hose option, it gave them the ability to spread the cold air around the tubes so they did not have to remove them from the fixture while cooling, meaning the tube holds its shape to a greater accuracy.

**SUMMARY:** By reducing the cooling time from 6 minutes per bend to approx. 1 minute per, with at least 300 bends per part, we can reduce the production time for each piece of equipment by 25 hours. Producing 20 pieces of equipment per year frees up the equivalent of 20.83 working days. With an hourly rate average of \$26.40, the EXAIR Model 3925 Adjustable Dual Spot Cooler System is saving them \$660.00 USD per machine in man hours alone! Over the course of one year, that's a savings of \$13,200.00 USD for just man hours. Meaning the ROI is right around the use of the Adjustable Spot Cooler to build one machine.

## ✓ 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](mailto:techhelp@exair.com) for assistance with yours.

### ✓ Purging Control Panels To Eliminate Sulfur Infiltration

This customer operates a sulfur mine. Some of the equipment they use has electronic panels. Along with needing to cool the panels, they would also like to keep a positive purge on them to eliminate the sulfur dust from migrating into the panels. They have installed Model 4715SS NEMA 4X Cabinet Cooler Systems, Continuous Operation and have eliminated regularly cleaning the inside of the panels. They have also stopped any corrosion problems they were experiencing due to the sulfur getting on the electronic components.

**GO TO** [exair.co/05-cc](https://exair.co/05-cc)

### ✓ Cold Gun Speeds Up Laser Welding Operation, Prevents Material Deformation

This customer fabricates structural components, primarily for the airline and transportation industries, by laser welding thin metal pieces into a lightweight, yet high strength design. Dealing with the material deformation from the expansion/contraction of the fabrications during welding was taking a lot of time away from the process. By incorporating a Model 5215 Cold Gun Aircoolant System into their operation, they were able to speed up their production and prevent material deformity defects.

**GO TO** [exair.co/05-cg](https://exair.co/05-cg)

### ✓ Cleaning Pool Cues Prior to Finishing

Customer manufactures wooden pool cues. They would like a manual way to blow the sawdust and any other debris off the cues before the final finish is applied, and ionized air can eliminate any static charge that may be causing the particles to stick to the surface. The Model 8193 Ion Air Gun with power supply allows the user to activate the ionized air supply via a thumb trigger and sufficiently remove any surface contaminants that may cause a flawed finish on the cues. This leads to fewer rejected parts due to improper surface finish.

**GO TO** [exair.co/05-iaq](https://exair.co/05-iaq)



**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**

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