

Keep Your Electronics Cool This Summer

Hot weather is here. Be prepared for problems! The high temperatures can easily cause circuit boards to overheat and fail. And, it usually happens at a time when you least expect it.

Keep your electronics cool this summer by installing an EXAIR Cabinet Cooler® System. The low cost cooler converts an ordinary supply of compressed air into cold 20°F (-7°C) air and mount to the electrical enclosure through an electrical knockout. The cold air is circulated through the enclosure to eliminate heat damage and control shutdown. They are available in a wide range of cooling capacities up to 5,600 Btu/hr. and will maintain the NEMA 12, 4 or 4X rating of your enclosure.



EXAIR Cabinet Cooler Systems are the only compressed air powered coolers that are CE compliant!



Safety is an important concern when installing a cooler onto an electrical enclosure. EXAIR Cabinet Coolers assure safe operation. They are UL Listed to U.S. and Canadian safety standards. There are also

stringent standards that are set forth by the European Union. Recently, an independent laboratory tested and certified that EXAIR Cabinet Coolers meet the appropriate CE safety requirements.

Do you have a panel that needs to be cooled but are unsure what cooling capacity is needed? 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, please contact an Application Engineer at 1-800-903-9247 or by e-mail at techhelp@exair.com. They'll be glad to help.

Request Your FREE Catalog 23

Do you want to know more about the Chip Trapper and other new EXAIR products? Simply return the enclosed postage-paid card for your FREE copy of the NEW Catalog 23 or visit www.exair.com/catalog.htm.



But Wait, There's More!

Just when you thought that EXAIR already made every air nozzle known to man, we recently added some new ones! All Super Air Nozzles meet OSHA standards and have been engineered to maximize airflow while reducing compressed air use and noise. The new models are a real fit for a number of applications.

EXAIR's new Model 1120 and 1121 Large Super Air Nozzle™ delivers 23 pounds of force - which is 30 times that of ordinary air nozzles! It is ideal for blowing heavy materials over long distances, and wide area blowoff, drying and cooling applications.



EXAIR's Large Super Air Nozzle delivers more force than any other air nozzle!

Many air nozzles are exposed to environments that prove challenging. EXAIR's new PEEK (plastic) Super Air Nozzles™ are suitable for applications where aluminum, zinc and stainless steel air nozzles can not be used. They also provide non-marring protection should the air nozzle come in contact with other surfaces. The engineered thermoplastic construction offers excellent resistance to chemicals, fatigue, and temperatures up to 320°F (160°C). The PEEK models include:



EXAIR's new PEEK (plastic) Super Air Nozzles are non-marring and ideal for use in corrosive environments.

Model 1110-PEEK Nano Super Air Nozzle, M6 x 0.75 inlet

Model 1102-PEEK Super Air Nozzle, 1/8 NPT inlet

Model 1100-PEEK Super Air Nozzle, 1/4 NPT inlet

Would you like to know more about the EXAIR's newest Super Air Nozzles? Visit www.exair.com/airnozzles.htm or contact an Application Engineer at 1-800-903-9247 or by e-mail at techhelp@exair.com.

Get A Rebate When You "Go Green"

Many local energy providers now offer sizeable rebates when certain engineered Super Air Nozzles are installed to replace inefficient blowoffs. Companies in the U.S. can visit www.dsireusa.org to see the local rebates that are available.



Application Spotlight:

Cleaning Porcelain Dishes Prior To Glazing



The Problem:

A manufacturer of fine porcelain dinnerware products had a problem with dust ruining the finish on their dishes. Dust particles were adhering to the surface of the dishes which created imperfections that were greatly magnified once the glaze was applied. Prior to glazing, they made attempts to blow the dust particles away using ordinary air nozzles which had little effect if any. There were abundant rejects.

The Solution:

They installed a (3) **Model 111018 18" (457mm) Super Ion Air Knives** to surround each dish, **neutralize the static charge and remove the dust particles.** Any airborne particulate was immediately vacuumed away by their dust collection system. The dishes were completely smooth to the touch with no imperfections.

Editor's Comment:

A similar problem used to plague automotive manufacturers. The static charge generated by the automobile body tack off operation would cause the car body to attract stray particles of priming dust. Once the paint hits a dust particle, it sticks out like a sore thumb and ruins an otherwise perfect robotic paint job. The Super Ion Air Knife is ideal here since it neutralizes the charge and blows the dust away (in the direction of their dust collection system). To minimize compressed air use for these applications, we recommend the use of an EXAIR EFC™ Electronic Flow Control that automatically turns off the compressed air when no part is present.

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.

You'll Find The CE Mark On EXAIR Products

Most people are concerned about the safety of products used in their facility. You might have noticed the CE mark (safety standards set forth by the European Union) on many EXAIR products. We are pleased to announce that a third party laboratory just completed another phase of testing. The latest additions include EXAIR Cabinet Coolers, Air Knives, Air Wipes, Air Amplifiers and Air Nozzles. There's more to come!



New Application Checklist

Here are some recent problems solved by EXAIR products. Please call our Application Engineers at **1-800-903-9247** or e-mail them at techhelp@exair.com for help with yours.



A fruit processing plant dries apples and peaches with a **Model 110236SS 36" (914mm) Stainless Steel Super Air Knife** prior to applying a wax coating.



A sign company uses a **Model 7493 Ion Air Gun System** to eliminate static electricity and dust attraction from Plexiglas prior to laminating the surface of their signs.



A manufacturer of castings installed a **Model 6081 1" (25mm) Line Vac** on a green sand drilling operation to vacuum sand away from the casting so it didn't show up in the finished part.



A plating company uses the **Model 2402 2" (51mm) Super Air Wipe** to blow excess chrome plating from the knurled portion of weight lifting barbells.



A packaging company uses a (2) **Model 120022 2" (51mm) Super Air Amplifiers** on their filling line to eject blister packs from a conveyor when they are not formed properly.

Machining without Coolant!



www.exair.com/cgvideo.htm

- » Low cost, portable, quiet
- » Won't freeze up during continuous use
- » Improves surface finish
- » No moving parts - maintenance free
- » No health problems from airborne coolant

The Cold Gun increases tool life, tolerances and production rates by eliminating heat build up. It produces 20°F air from ordinary compressed air. The Cold Gun is ideal for dry machining or to replace messy mist systems. It eliminates coolant purchase and disposal.

Call now (800) 903-9247



To learn more go to:
www.exair.com/05/499.htm