

EXAIR-MAIL

TECHHELP
1-800-903-9247
DIRECT

Number 76

25
YEARS

NEWS YOU CAN USE FROM EXAIR CORPORATION

Summer 2008

25th Anniversary Catalog Offers Over 400 New Items!



Thank you to everyone who has supported us with their trust and confidence in our products and staff over the past 25 years. In 1983, we started with a few brochures. Our new Catalog 22 has 144 pages – our largest ever. **To get your FREE copy, simply mail the enclosed postage-paid card.** Here's a quick look at some of our new products!

Digital Flowmeter™

Monitor compressed air usage and waste!

NEW!



- No calibration or setup required
- Easy to install
- Sensitive at low flows
- Easy to read LED display

Monitor compressed air consumption and waste. It can help to identify costly leaks and inefficient air products.

Digital Sound Level Meter™

Prevent worker-related hearing loss!

NEW!



- Measures sound level range from 35dB – 130dB
- Frequency range 31.5 Hz – 8kHz
- Max hold and backlight buttons

Measure and monitor the sound level pressure in industrial environments. The source of loud noises can be quickly identified and isolated.

Large Super Air Nozzles

Engineered air nozzles provide maximum force!



- Provides highest force up to 9.4 lbs
- Reduce compressed air use
- Reduce noise levels
- Reduce energy costs

Large Super Air Nozzles provide maximum air velocity and blowing force from a single nozzle. They produce up to 12 times the force of standard air nozzles.

E-Vac™ Vacuum Generators

Vacuums for lifting, clamping, mounting and placement!



- Pick and place
- Bag/package opening
- Clamping and chucking
- Surface mounting
- Vacuum forming

E-Vac compressed air powered vacuum pumps provide instantaneous response, with consistent, steady vacuum. Many sizes are available.

Heavy Duty Threaded Line Vac

Our most powerful in-line conveyor!



- Hardened alloy construction
- Highest throughput capability
- Resists wear
- 5 sizes available

Performance has been boosted significantly to provide the highest conveying rates. Available to fit standard hose, tube and pipe.

Mini Chip Vac /Mini Drum Vac

Powerful, air powered vacs!



- No moving parts
- Includes 5 gallon drum and tools
- Mini Chip Vac for dry pickup
- Mini Drum Vac for 2 way liquid pumping

EXAIR's new Mini Chip Vac and Mini Drum Vac allow for quick and easy clean up of small messes. Won't clog like electrically operated vacuums.

Low Cost Cabinet Coolers

NEW!

Side Mount Kits now available.



Most electronics that control manufacturing processes operate without a problem when temperatures are low. Today, with miniaturization

of components, you're sure to find lots more electronics in those electrical enclosures. When the heat they generate combines with hot summer temperatures, it can spell disaster that shuts down your machine or process.

EXAIR's compact Cabinet Coolers are ideally suited for small and large electrical enclosures. The cooling capacities range from 550 to 5,600 Btu/hr. All models are UL Listed and are in stock with prices starting at \$245.

Tight on space? Our new Side Mount Kits for Cabinet Coolers make it possible to mount the Cabinet Cooler where space is limited. There are models for NEMA 12, 4 and 4X enclosures. If you have problems with overheated control panels, contact an Application Engineer at 1 (800) 903-9247 or by e-mail at techhelp@exair.com.

Super Ion Air Wipe

Ring of ionized airflow!



- Cleans continuously moving surfaces
- Ideal for extrusions, pipe, tubing, wire
- Container neutralization

The 360° ionized airstream clamps around the part to eliminate static electricity and contaminants. No threading is required.

Application Spotlight: Blowing Debris Off Flat Rolled Steel

Before



After narrow steel widths



After larger steel widths



The Problem:

A steel mill had a problem removing debris from their steel strip. As the strip of steel is coiled and reaches the end, the start of the next strip is spliced to it by welding the two strips together. The weld is ground down to a smooth surface but debris left from the grinding operation would embed itself in the rolled steel, producing scratches, grooves and dimples. Numerous customer complaints and rejects resulted. Attempts at blowing off the steel with (2) 1" NPT pipes removed a lot of the debris (still had rejects) but produced dangerous noise levels of 130 dBA, far exceeding the 90 dBA limit. Air consumption was off the charts.

The Solution:

On their narrow width steel lines, they capped one of the 1" NPT pipes and installed a **Model 1111-7 Super Air Nozzle Cluster (7 Super Air Nozzles)** on the other. The 5.7 ounces of force from the cluster **blew across the continuous steel strip, blowing the debris off the other side. The blemishes, scratches and dimpling was completely eliminated.** On the lines processing steel with larger widths, they installed (2) **Model 1111-7 Super Air Nozzle Clusters** per blowoff station.

Editor's Comment:

In locations where the single cluster was installed, they went from using almost 300 SCFM of air down to only 98 SCFM. **At one blowoff station alone, the air savings paid for the Model 1111-7 Super Air Nozzle Cluster in just four days of continuous use in this 24/7 operation.**

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.



New Application Checklist

EXAIR products solve many common problems. Here are a few of the recent ones. Please call our Application Engineers at **1-800-903-9247** if you'd like to know more.



A meat processing plant cooks turkey hot dogs, then removes the casings that are conveyed away from the workstation using the **Model 6064 2" (51mm) Stainless Steel Line Vac.**



A manufacturer of extruded plastic broom and mop handles cuts them to length, then uses the **Model 7292 Ion Air Cannon** to clean the surface prior to applying the label.



A company that applies non-slip flooring coats the floor with an epoxy paint, then blows small vinyl chips across the wet paint using the **Model 6292 Vac-u-Gun Transfer System.**



A sensor used to measure the weight of molten aluminum in a ladle produced inaccurate readings due to the heat. The sensor manufacturer installed a shroud around the electronics cooled with a **Model 3230 Vortex Tube** that eliminated the problem.



A commercial cheese maker uses a **Model 11136 36" (914mm) Super Ion Air Knife System** to eliminate the static electricity and blow contaminants from the plastic sheet that is formed into the bags where the cheese is vacuum packed.



Super Air Wipe™

- » Split design - no threading required
- » Compact, installs in minutes
- » Quiet! - under 75 dBA!
- » Many sizes available

360° airstream that is ideal for blowoff, drying, cleaning, and cooling of pipe, cable, extruded shapes, hose and more. The split design offers easy clamping around the surface of the material moving through it.

Call now **(800) 903-9247**

EXAIR®

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To learn more go to:
www.exair.com/05/425.htm