

## New Anti-Static Air Gun is CE, UL and RoHS Certified



EXAIR's new Ion Air Gun removes static electricity, contaminants and dust from parts prior to labeling, assembly, packaging, painting or finishing. This engineered product has undergone independent laboratory tests to certify it meets the rigorous safety, health and environmental standards of the USA, European Union and Canada that are required to attain the CE and UL marks. It is also RoHS compliant. New design features include a metal armored high voltage cable to protect against abrasion and cuts, a replaceable emitter point, integrated ground connection and electromagnetic shielding. The shockless Ion Air Gun neutralizes static electricity and cleans at distances up to 15 feet (4.6m).

The Ion Air Gun incorporates a high velocity air jet that uses a small amount of compressed air to entrain 80 percent of the total output airflow from the surrounding room air. An electrically energized emitter at the discharge end fills the entire airstream with positive and negative ions capable of neutralizing high static charges in a fraction of a second. An optional regulator allows infinite adjustment of the air volume and velocity. A comfortable grip and hand position allows hours of continuous use without fatigue.



New Model 7960 Power Supply has selectable voltage of either 115 VAC or 230 VAC.

The Ion Air Gun is quiet, lightweight and features a hanger hook for easy storage. A new selectable voltage power supply designed to operate the Ion Air Gun is also certified CE, UL (USA and Canada) and RoHS. Applications include cleaning molded parts, pre-paint dust removal, furniture finishing and package cleaning prior to

labeling or printing. Check out the Ion Air Gun at <http://www.exair.com/05/iaig.htm>.

The Ion Air Gun is not EXAIR's only new Static Eliminator. Check out our new Ion Air Cannon, Ion Air Jet, Stay Set Ion Air Jet, Ionizing Point, Super Ion Air Wipe and selectable voltage power supply. <http://www.exair.com/05/static.htm>.

## Move Liquid Farther with the Award-Winning High Lift Reversible Drum Vac



EXAIR's High Lift Reversible Drum Vac is ideal for the recovery of fluids like: coolant, hydraulic oils, sludge and chips, waste water, tramp oil and liquid spills. The High Lift Reversible Drum Vac has been engineered to recover liquids found within below grade sumps, wells, underground tanks, pits and drains with up to 15' of lift. This High Lift Reversible Drum Vac was recently awarded the 2015 *Environmental Protection* New Product of the Year. This new Drum Vac has also been selected as a winner of *Plant Engineering's* 2015 Product of the Year.

The High Lift Reversible Drum Vac's powerful vacuum can fill a 55 gallon drum in just 85 seconds from 15' and, with the turn of a knob, the same stainless steel pump can quickly empty the drum. Since the High Lift Reversible Drum Vac is powered by compressed air, it has no electric motor to wear out and has no impellers to clog. In fact, the High Lift Reversible Drum Vac has no moving parts, assuring maintenance free operation. It is designed for continuous and heavy duty applications where electric vacuums fail, and can also be used for lighter duty applications.

The CE compliant High Lift Reversible Drum Vac attaches quickly to any closed head 30, 55 or 110 gallon drum. High Lift Reversible Drum Vac Systems include the two-way pump assembly, 20' (3m) flexible vacuum hose (1-1/2"/38mm I.D.) with 90 degree quick release elbow connection and one aluminum wand. Deluxe Systems add a drum dolly, heavy duty aluminum tools and tool holder. Premium Systems also include a 30, 55 or 110 gallon drum.

Learn more at <http://www.exair.com/05/hldv.htm>



## Application Spotlight:

### 2" Flat Super Air Nozzles reduce air consumption and noise level



#### Application Goal:

The main goal is to reduce the consumption of compressed air to lower costs. Added benefits would be to lower the noise level and/or reduce the number of nozzles needed.

#### The Problem:

This customer was using compressed air, through a nozzle meant for liquid, to blow quenching oil off metal sheet as it is processed before being wound into a coil. The existing machine blowoff was using 10 of these nozzles for a single line; the entire process used an additional 40 nozzles. The nozzles were all installed onto header pipes that had been drilled and tapped. These liquid nozzles blew the oil off the metal sheet but the customer was concerned they were using too much air. They were also trying to reduce the noise level without having to reduce air pressure, which would require slowing down the line speed. The liquid nozzle consumption was 17.5 SCFM per nozzle with a noise level of 91.2 dBA.

#### The Solution:

After replacing all fifty of the liquid nozzles with EXAIR's 2" Flat Super Air Nozzles, they were able to reduce the air consumption by 2.8 SCFM per nozzle. They were able to maintain the same line processing speed while saving a total of 140 SCFM, this equates to a 35 HP compressor. In addition to the air savings, the noise level was lowered by 16.2 dBA to a level of 75 dBA, making the environment more comfortable for personnel.



#### Editor's Comment:

By installing the **Model 1122 2" Flat Super Air Nozzle**, the customer successfully shut down a 30 HP compressor and saved another 5 HP on a second compressor. The total amount of compressed air saved equates to \$16.71 per 8 hour shift, for a total of \$4,177.63 per year. (8 hr./ day, 250 days)



**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

For decades, EXAIR's products have solved many common industrial problems. Call our Application Engineering Department at (513) 671-3322 or email them at [techhelp@exair.com](mailto:techhelp@exair.com) for help with yours.



A process systems integrator is using a **Model 110036SS 36" (914mm) Stainless Steel Super Air Knife** to boost circulation and create an even airflow of hot air inside an oven used to warm a polymer before it enters a processing oven.



A fabricator of tumbling media is using large silicon molds. The media is mixed as a liquid and poured into the molds. An exothermic reaction hardens the media and it is removed manually by lifting and turning the molds upside down. This is very labor intensive and decreases the life of the molds. The **Model 6084 2" (51mm) Line Vac** sucks the media from the molds without handling them. This reduces labor and extends the life of the molds.



A manufacturer makes pneumatic and hydraulic cylinders with 1-2.5" outside diameters. They run the assemblies through a mineral spirits bath to remove any cutting oils used when machining features on the cylinders. They need to remove the mineral spirits in order to place a label on the product. They had been relying on an operator with a blow gun to do the job and wanted to reduce labor costs and shorten cycle time. After speaking with EXAIR about the application, they chose a **Model 2433 3" (76mm) Air Wipe** for the operator to place the cylinders through and activate with a foot pedal. They are successfully removing the mineral spirits in one pass, have reduced labor costs per piece and increased production.



Buy an

## INDUSTRIAL HOUSEKEEPING SYSTEM

Get a **FREE Vac-u-Gun** with Purchase!

Here's your best opportunity to try our vacuum products. Receive a free **Vac-u-Gun** with your purchase of an EXAIR compressed air powered **Reversible Drum Vac, High Lift Reversible Drum Vac, Chip Trapper, High Lift Chip Trapper, Chip Vac, Heavy Duty HEPA Vac, or Heavy Duty Dry Vac**. These vacuums are specially designed to suit your industrial vacuum needs.

If you purchase one of these industrial vacuums by **May 31, 2016**, you will receive a free **Model 6492 Vac-u-Gun**!



To learn more go to:  
[www.exair.com/05/vacpromo.htm](http://www.exair.com/05/vacpromo.htm)