EXAIR®-MAIL

TECHELP 1-800-903-9247 DIRECT

Number 101 NEWS YOU CAN USE FROM EXAIR CORPORATION Fall 2014

New High Lift Reversible Drum Vac™!

The latest addition to our Industrial Housekeeping product line is engineered to provide more powerful suction in order to move liquids up to 15' vertical lift. The **High Lift Reversible Drum Vac™** is ideal for moving liquids such as coolant, hydraulic oils, waste water or tramp oils from below grade pits or into elevated tanks.

It operates just as simply, effectively and reliably as the original Reversible Drum Vac and, with just the turn of a knob, you can move from a suction mode to a pumping mode. This allows you to empty and fill your sumps, containers and tanks time and time again. The High Lift Reversible Drum Vac can aid in recovery and recycling of liquids because it fits on to standard closed top drum lids. It has a safety shutoff valve to prevent over-filling and a built in pressure relief/vacuum relief valve.

Like the rest of our Industrial Housekeeping Vacuums it operates on compressed air and there are no moving parts to wear or motors to burn up. This product has been engineered for continuous, heavy duty use and is well suited for the harsh, dirty and rugged environments found within manufacturing facilities.

The New EXAIR Catalog 27!

Bigger, better, and more informative than ever!

The catalog is loaded with cost saving ideas to help your company reduce compressed air use and save money. It includes hundreds of photos, drawings, test data and illustrations to help you better understand and apply EXAIR products.

For more details, go to: www.exair.com/05/catalog.htm

Line Vac is The Low Cost Way To Convey and Clean!

When it comes time to load hoppers, convey scrap or simply move bulk materials from point "A" to point "B", the compressed air operated Line Vac is the solution. Many of us have seen the operator who has to take a heavy load of plastic pellets up a ladder to fill the hopper on a molding machine. Line Vac is a low cost way to make that procedure a thing of the past.

Line Vacs are great for more than just conveying! They have been used for bearing cleaning, spline cleaning or broaching where the contaminated work piece is either set into a fixture that applies vacuum over and around the work piece, or the work piece is lowered into a special vacuum box powered by the Line Vac to clean things up. They take up a small envelope of space, are easily controlled with a solenoid valve, can be remotely mounted and are quite reasonably quiet when operating.

Line Vac moves pellets.

Line Vac is available from stock in many materials and sizes up to 6" (152mm). **Threaded Line Vac** models can mate with ordinary pipe couplers that are available from any home center or hardware store and make it easy to build a complete conveying system using PVC pipe. Our **Heavy Duty Line Vac** models convey abrasive materials like garnet or tumbling media, resist wear and convey a lot more material than our standard Line Vac.

EXAIR has a special offer for you during September and October. Order any EXAIR **Line Vac**, **Threaded Line Vac, Heavy Duty Line Vac** or **Light Duty Line Vac** by October 31, 2014 and we will include a FREE **Model 1122 2" Flat Super Air Nozzle**. EXAIR's **2" (51mm) Flat Super Air Nozzle** is a highly efficient, unique flat air nozzle. The patented design uses a special shim to maintain the critical position of the component parts. A precise amount of air is released through the thin slot, across a flat surface. The result is a wide, forceful stream of high velocity, laminar airflow. Air consumption and noise are minimal. Order today at www.exair.com/05/lvpromo.htm.

Do you have a conveying application that you'd like to discuss? Contact an Application Engineer at 1-800-903-9247 or by e-mail at techelp@exair.com. They'll be glad to help!

EXAIR Corporation
Manufacturing Intelligent Compressed Air® Products Since 1983

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Please see other side

Application Spotlight:

Engineered Air Nozzles Pay for Themselves in 24 days!

Before EXAIR:

The existing compressed air blow off nozzles consumed too much compressed air and produced an unacceptable noise level of 104 dBA.

This customer was using some outdated and misapplied cast brass nozzles meant for liquid delivery. These nozzles were delivering air to remove oil from a continuous metal web on a processing line. They were using a total of 36 brass nozzles drilled and tapped into a 2" header pipe which spanned the 72" (1829mm) wide web. Each nozzle consumed 58.6 SCFM at 80 PSIG inlet pressure (for a total consumption of 2110 SCFM) and created a terribly loud 103.8 dBA noise exposure level.

After EXAIR:

A new set of EXAIR **2" Flat High Power Super Air Nozzles™** were installed to replace the old brass nozzles. These EXAIR **Model HP1125** nozzles were able to achieve the same level of oil removal with a greatly reduced air consumption of 37 SCFM at 80 PSIG per nozzle (for a total consump-tion of 1332 SCFM) and a noise reduction down to 83 dBA. Total savings per nozzle is 21.6 SCFM which equals a total SCFM savings of 777.6 for the process.

Editor's Comment:

By installing this engineered solution on a process which operates continuously for one 8 hour shift and for 250 days per year, this EXAIR customer realized tremendous savings in a short period of time. Using $0.25/1000 cubic feet of compressed air **the savings is $93.31 per shift and $23,327.50 per year**. The nozzles paid for themselves in 24 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

EXAIR products solve a variety of problems. Please call our Application Engineers at 1 (800) 903-9247 or e-mail them at techelp@exair.com for assistance with yours.

- A glass manufacturer needs to cool a drill bit that creates a ¾" hole in 24" x 48" sheets of glass. A **Model 5330 High Power Cold Gun** with dual hose kit will provide plenty of cold air on all sides of the drill bit when the fan nozzles are used, resulting in fewer reject parts because of warped holes due to heat.
- A manufacturer creates pipe that has multiple slots cut in the length for steam generation. During the cutting process, they use quenching oil and cutting fluid, and need a way to blow off the excess liquid from the pipe. The pipe ranged from 4"-9" outer diameter. They chose a **Model 2411 11" (279mm) Aluminum Super Air Wipe** to blow the residual coolant and fluid back into the machine.
- A brush manufacturer creates a great amount of trim fiber waste from "evening up" the ends of the brushes. A lot of time was spent cleaning this up at the end of each shift. By installing a **Model 6081 1" (25mm) Aluminum Line Vac** to remove the trim as it is created, end of shift cleanup time was cut in half.
- A bakery operator needed to blow excess seeds from their bakery pans. They were using a drilled pipe blow off, but this was noisy and consumed a lot of compressed air. By installing a **Model 110218 18" (457mm) Super Air Knife Kit**, air consumption and noise levels were lowered, while maintaining an efficient blow off.

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