



FANTASTICS

A Quarterly Industrial Ventilation Newsletter

Fourth Quarter 2014

Company News

- **HARTZELL AIR MOVEMENT** has upgraded and consolidated its Water & Wastewater Fiberglass Corrosion Resistant products information into one general bulletin. Fiberglass fans and blowers are available for general plant ventilation and also for process ventilation systems for scrubbers and bio cubes. Also included are fiberglass air control products such as louvers, shutters, and dampers. This enhanced new Water & Wastewater bulletin can be viewed at <http://hartzellairmovement.com/literature/water-and-wastewater/bulletins.html>.
- **TECHTOP**-Our line of Techtot motors continues to make inroads replacing other motors because they offer a very rugged standard chemical duty construction, low price, and stock availability.

Techtop offers a number of "Little Things that Matter," as outlines in their new bulletin available on our website - <http://www.vsifans.com>.

Many modifications are available in just a few days which include washdown, space heaters, bearings changes RTD's, and thermostats, etc.

Warranties from 24 to 36 months are standard depending on the specific models.

- **VENTILATION SPECIALISTS, INC.** continues to provide ventilation engineering services to customers who have plant or process ventilation problems. Our engineering capabilities also include the ability to provide all types of industrial ventilation equipment through our direct factory representation of many companies.
- **BERNER INTERNATIONAL CORP:** If you want to reduce your plant air conditioning costs and at the same time minimize the entry of dusts and insects, consider installing Berner International Corp. air curtains over the doors. The electrical savings payback is normally 12-18 months. Email us with your needs.
- **NEDERMAN** is now stocking portable high vacuum dust collectors in their Thomasville, North Carolina facility.
- Companies are releasing funds for expansions and modernization. For the first time in a number of years, the fan, blowers, louver, damper, and air curtain manufacturing plants are extremely busy. Shipment times have increased so we would recommend that you allow 1-2 more weeks than usual.

Technical Tidbit

Most fan and blower manufacturers have AMCA approved sound testing tunnels. From their selection programs they can offer sound levels in (dBA) decibels and sones usually at a distance of 5 feet. The relationship between dBA and sones is often misunderstood. dBA's are exponential when compared with sones which are linear.

The following outlines a comparison:

dBA at 5 feet	Sones	Comparison
90.0	60	----
85.0	44	26.66% quieter

AMCA test tunnels record sound levels in a totally absorbing sound wave environment. Installed at jobsite, where reflective sounds exist, can elevate noise levels. Adjacent hard surfaces can create higher noise levels depending on the sound waves bouncing off hard surfaces such as concrete walls, metal roofing, etc. As a rule of thumb, measure the sound level within your existing facility and select your fans and blowers accordingly.

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