

FANTASTICS

A Quarterly Industrial Ventilation Newsletter

Second Quarter 2014

Company News

- **BERNER INTERNATIONAL CORPORATION** announces air curtains for hazardous locations. The HL Series air curtains are now available in all sizes. This bulletin is available at http://www.berner.com/industrial_air_hlc.php5?top=7&sub=1.
- **HARTZELL AIR MOVEMENT** has completed the installation of their new powder coating system which can powder coat fans up to 54"Ø.
- **HARTZELL AIR MOVEMENT** has a new bulletin available for the water & wastewater industries which covers their corrosion resistant fans and blowers. This bulletin is available at <http://www.hartzellairmovement.com/literature.html>.
- **VENTILATION SPECIALISTS, INC.** now offers wheeled portable axial fans for marine and industrial applications incorporating direct drive, 24" Cincinnati Fan tube axial fans which can be viewed on the internet at <http://www.vsifans.com>.
- **IAP, INC.** has updated their Industrial Air Products bulletin and their specialty and exotic material fans and blowers flyer. These can be viewed at <http://www.iapfan.com/files/220.pdf>.
- **TECHTOP** offers the following TEFC electric motors which incorporates many design features not offered by any other motor manufacturer.

Line	Class	IP	Voltage	Construction	XP	Inverter Rated	Insulation	Warranty
Green	H	55	208/230/460	Mild Steel	Class I, Div 2, Groups C&D	15:1	F	36 Months
Brown	IEEE841	56	208/230/460	Cast Iron	Class I, Div 2, Groups C&D	15:1	F	60 Months

Both the Green and Brown lines can be modified to meet either IEEE-45 below-deck marine duty or white epoxy coated washdown motors.

Technical Tidbit

The most utilized construction in the fan and blower industrial markets are mild steel, aluminum, fiberglass, and stainless steel listed in order of the lowest cost to the highest cost. The selection of which material of construction to utilize is based on whether the airstream is corrosive or non-corrosive and whether explosive gases or solids will be conveyed. The following outlines what information should be provided in order to prepare a meaningful proposal:

GASES	DUSTS
Types	Type
Temperature	Temperature
Concentration	Parts per million
Class 1	Class 2
Group (C) (D)	Group (F) (G)
Division (1) (2)	Division (1) (2)

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INDUSTRIAL VENTILATION, DUST COLLECTION, FUME EXHAUST
ODOR CONTROL, PEOPLE COOLING, PROCESS VENTILATION,
CORROSIVE AND EXPLOSIVE APPLICATIONS

DESIGN - EQUIPMENT - INSTALLATION - ELECTRICAL