

# Hi-Velocity Systems

Mini Duct Heating and Air Conditioning  
Indoor Air Quality Systems

## Newsletter 2006 1st Quarter Edition

### Letter From the President

I would like to say thank you to ESP's great team; the staff, customers, agents and suppliers, all who contributed to making 2005 a great year.

I want to congratulate Linda Terefenko for achieving 10 years of service, and Chad Herbers for 5 years of service. Thank you both for the excellent work!

I also welcome the newest addition to our team, John Spankie, who joins us in mid January as our National Sales Manager.



From Left to Right: Chad Herbers, Leon Prevost, Linda Terefenko, Elaine Prevost.

### 2006 ASHRAE Trade Show

It's a really big show and the countdown is on. With approximately 1,800 exhibitors coming from 37 countries, as well as buyers and international visitors from over 100 nations, the Trade Show is shaping up to be the largest AHR Expo on record.

We will be in the North Hall of McCormick Place, booth #1516, so stop by and update yourself on the Hi-Velocity Systems. We will be promoting two units this year, the HV-52 and the HV-70. A Cooling Module, Accessories, and the Hi-Velocity Nitro Funny Car will also be on display.

### Old Style Vent Plates Discontinued

The old style vent plates with the screw holes are now discontinued and will no longer be available from Energy Saving Products. This vent plate style was sold with the original Hi-Velocity unit and it has been 5 years since any have been sold.

The new vent plate styles with no screw holes and a deep collar are compatible with older model Hi-Velocity Systems and can be used with a few minor modifications. We hope this will not inconvenience anyone but we must adapt with the times and discontinue this from our inventory.

### The Forgotten Unit - JH Series Fan Coils

This is just to bring a spotlight to our JH series fan coil, and highlight the power of such a simple and versatile fan coil. Over the last few years, sales of the JH unit have fallen. With the drop in sales of the JH unit, we want to bring some attention to it and remind people about the features and benefits of such a simply designed fan coil.

The JH model was designed for specialty applications, such as sun rooms, basements, garages, foyers, or any space that might require some additional heating or fresh air. The JH series is designed for smaller areas, to provide Space Heating, Fresh Air Make-up and can also be used as a Stand Alone Central Exhaust Ventilator system.

As with all of our units, the JH is quick and simple to install, making it an ideal choice when only a compliment to an existing system is needed. This is the ideal choice when people don't want to spend large amounts of money changing out an old system, or deal with the headaches that can be involved with bigger renovation projects.



### Department Of Energy Has Granted Energy Saving Products Ltd. Exception From The 10 CFR 430 Ruling

The exception has been granted. On December 20, 2005 the Department Of Energy granted Energy Saving Products Ltd. (Hi-Velocity Systems Case No. TEE-0026) exception from the 10 CFR Part 430 ruling pertaining to Energy Conservation Program for Consumer Products; Central Air Conditioners and Heat Pumps Energy Conservation Standards.

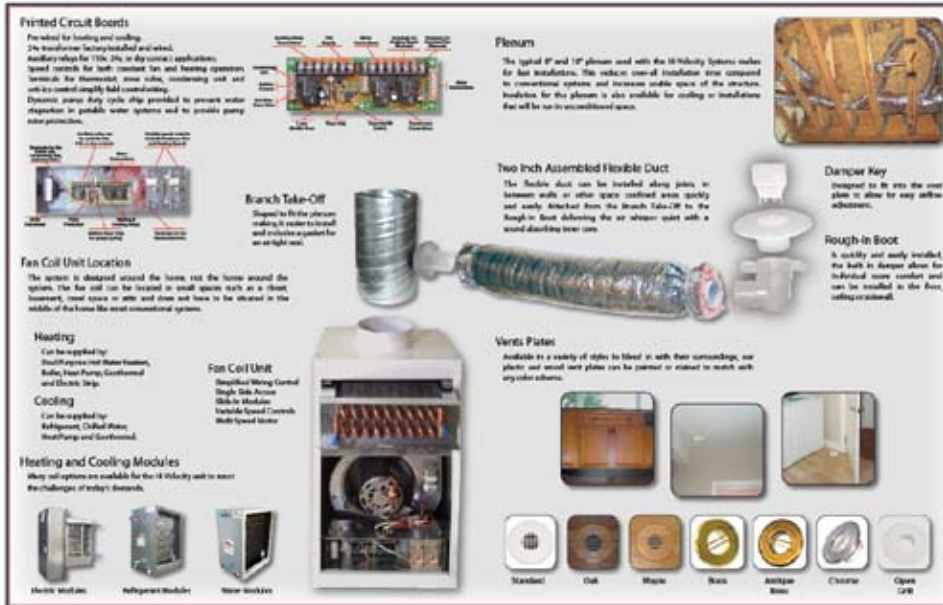
With the exception in place, no disruption will occur with the sales in the United States and rebates for our products will continue to be in place. We would like to thank all involved in the follow up responses to the Department of Energy and the support that was given to Energy Saving Products. With this type of support

behind us, we are sure the new year will bring many good things our way.

There is currently no standardization for testing a small duct, high velocity system, and adjustments were made to the 10 CFR Part 430 ruling to decrease the 13 SEER ruling down to 11 SEER for SDHV Systems. Even with the exception now in place we are continuing the development of the Hi-Velocity Systems with the goal of surpassing the 13 SEER ruling to give our customers a superior product.



# Preview of the New Features and Benefits Brochure



New: The Hi-Velocity System *Features and Benefits brochure* will soon be available. The new layout illustrates the accessories of the Hi-Velocity System and gives a better understanding of the features.

This is just a sneak preview of the new layout and it will be available in January 2006. We are expecting many exciting new changes to the Hi-Velocity Systems in the near future. With this in mind, expect small additions or changes to this brochure.

The *Available literature* section in the Newsletter will indicate the current edition of our literature in print. The last two numbers indicate the version number.

## Energy Saving Products R&D Progress with Integration of Intelligent Motors Into the Hi-Velocity Systems

Energy Saving Products will not be using General Electric's Electronic Commutating Motors (ECM) with Hi-Velocity Systems. After some consideration and testing with Fasco Electronic Performance Control (EPC) motors with the Dip Switch Command Method, the decision was made to incorporate this style of motor with our systems.

Leon Prevost, the head of Energy Saving Products R & D department, has decided not to continue research with the General Electric's ECM on the basis of upkeep and setup time in the field. With this style of motor, a laptop computer and understanding of the program would be required to change internal microprocessor settings of the motor. We don't feel this would be a viable option to the installers at this point in time.

The R&D department has been testing out the Fasco EPC-750 Series, with the Dip Switch command method. These motors can achieve up to 78% efficiencies and are designed for applications requiring intelligent control. With this style of motor, the capability exists to modify output horsepower or speed without the need for a user program. The efficiency results that have been witnessed from the R&D department are similar to the General Electric's ECM motor, and fall in the range of 20% to 50% more efficiency than the Permanent Split Capacitor (PSC) motors currently being used with the Hi-Velocity Systems.

The EPC 750 series will allow for easier field setup with the Binary Dip Switch control method. By simply changing 8 switches from the on/off position, 125 different configurations can be achieved. With this technology, not only will we gain in efficiencies, it allows our target Cubic Feet per Minute (CFM) to be easily achieved. Another added benefit with the Fasco EPC-750 Series is that field replacement of the motor or control requires no calibration to be done. With the ease of setup and consideration of field replacement with this motor, our R & D department feels this is the best way to go.

## 2005 Christmas Party

There was a great turnout to the party and fun was had by all. We always enjoy the yearly open house to spread some joy into the lives we deal with on a daily basis.



Doug Sprague giving the evening sermon on the evils of drinking in the workplace. Robert Prevost and Sean Prevost were thoroughly entranced by the speech, but it seemed a little out of poor Aryanna's grasp.

## Available Literature Manuals

Hi-Velocity Installation Manual	1.03
Hi-Velocity Design Manual	1.02
R Series Cooling Modules Manual	1.02

## Brochures

Hi-Velocity Bi-Fold	2004
Hi-Velocity Tri-Fold	2004
Hi-Velocity Features & Benefits	110.01
Hi-Velocity Explained (soon)	214.01

## Multimedia

CD Product Catalog	4.05
Promotional Video	2001
Installation Video	1.00