

## Hi-Velocity Soft-Aire Home Comforte System

Improve Indoor Air Quality...Reduce Energy Costs

### Comforte News

Spring Issue (6) March 2003

- A successful AHR Expo Show
- Update on Installation Video
- Busy trade show month
- Then & Now - 20 years later
- Testimonial - Spunstrand Upgrades
- Cooling Features
- Nitro Funny Car

## ESP Celebrates their 20th year of manufacturing

### ASHRAE Expo

This show is held in January every year and was the second largest trade show in Chicago, IL. with more than 1500 companies participating.

Thank you Leon, Sean, Steve, Ryan & many agents from all over the US & Canada for attending and working in ESP's booth and helping us celebrate our 20th year of manufacturing.

### A Message from the Vice President & President



April 2003 marks our Twentieth Anniversary. We have come a long way from operating out of a two-car garage. Over the years we have introduced many new and innovative ideas to the Hi-Velocity Small Diameter System. We have always been proud of these improvements and keeping Indoor Air Quality (IAQ) as the most important.

We introduced the metal plenum duct and soft-core 2" supply duct in reaction to fiberglass breakdown and noise concerns. On the fancoil we have low RPM forward curve fans for energy efficiency, Printed Circuit Boards for flexibility and Single Side Access for serviceability. The Speed Controllers were added to increase the homeowner's in-room comfort level.

Our Cooling Coil design has assured that Energy Saving Products Hi-Velocity Soft-Aire Home Comforte System is the only Small Diameter System that can use a 10 Seer Condensing unit for a 10 Seer Rating. We have also introduced a positive flow drain pan with the cooling coil to deal with Legion Ella. Now with the addition of our Patented Rough-in Boot we are the only company to offer an adjustable damper assembly with a positive shut-off. These improvements have allowed us to be industry leaders rather than followers. This whole package includes literature, promotional material and two training seminars a year at our factory.

On a personal side we have had the privilege over the past twenty years to meet and spend time with some of the finest people in North America as well as the World. We have built a strong family of Agents, Distributors, Installers and Homeowners throughout. We enjoy the time we spend together and hope that we can all continue to grow together, work hard and play hard.

Thank you  
Leon & Elaine Prevost



Leon - Proud of the accomplishments of the last 20 years.



First CSA Unit



Ryan - Set up is almost done!



Behind Sean is the HV-50 running and ready for the show.



Leon & Steve discussing the plan for the show.

The busy season is nearly upon us so if you need a backdrop for your trade show, please contact Flo ASAP to ensure getting one.

## Hi-Velocity Soft-Aire Home Comforte System

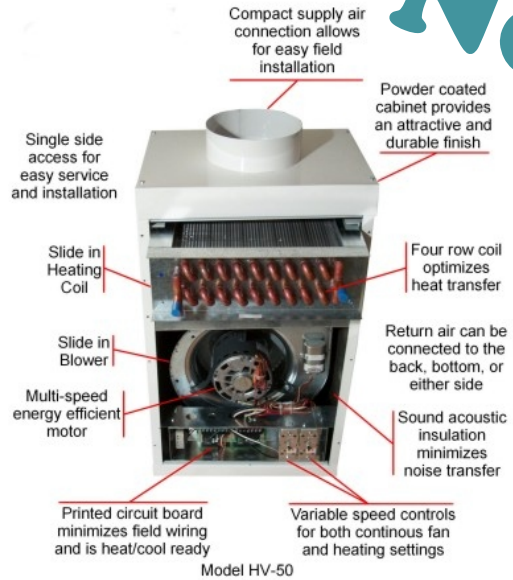
Celebrating 20 Years of Manufacturing

Then



Energy Saving Products Ltd was established in 1983 by Elaine and Leon Prevost. The company has come a long way from initially serving the local contractor market to supplying wholesalers on a global scale. The demand for the Hi-Velocity Soft-Aire system manufactured by Energy Saving Products Ltd has been growing year after year, and several generation changes to the fancoil units have been implemented over the years to maintain our high standard of serviceability, ease of installation, and user friendly controls.

Now



## Spunstrand HVAC Upgrades FRP Manufacturing Plant

Spunstrand manufactures filament wound fiberglass reinforced plastic ductwork, dampers, scrubbers, and tanks in a 12,000 square foot facility in Wallace, Idaho. The winter temperatures average in the 20°F range, and the heating was previously done with a 3.2 million btu air handler. The natural gas costs in the winter months were over \$7,000. The other issue was the poor mixing of the air in the building. The 15' ceilings drew up the heat, and left the floor area cold. Also, the styrene fumes and dust particles that are heavier than air, would settle toward the floor causing negative impact on the air quality.



Drilled outlets to provide air curtain around shipping door....

The new HVAC system has ten (10) Energy Saving Products HV-70, 3 ton Hi-Velocity Soft-Aire fancoils and is supplied by five (5) Monitor MZ40C 142,000 btu condensing boilers. The ductwork was made by Spunstrand and utilized drilled outlets rather than flex duct. This provided longer air throws, and much better mixing of the air in the plant. Floor to ceiling temperatures are more even, and the air movement also lowers the styrene fumes at the floor working level. The Hi-V units were also used to air curtain the large roll up doors which has helped reduce heat loss when the doors are open. With the heating load reduced from 3.2 million btu forced air, to 710,000 btu in hydronic heat with the Hi-V fancoils, the heating bill has been reduced by more than half. The indoor air quality has improved with better air mixing, reduced temperature gradients, and improved particle reduction using the Ultra Sun SP-220 Merv 11 needle fiber filters on the inlet of the fan coils. They can be seen as the blue box attached to the fan coils.



2" Drilled outlets provide longer air throws and much better mixing of the air.....

The new system allows Spunstrand to zone individual areas based on production loading and personnel occupation, and will also allow air conditioning to critical areas in the summer. Three (3) of the units were provided with cooling coils, and this combined with the constant circulation feature will keep the plant cooler and better ventilated in the hot summer months.

3 of 10 Hi-Velocity Soft-Aire Fancoils for Heating & Cooling!!!!



**For question, call Kirk Nelson, General Manager of Spunstrand Inc.  
Phone: 208-752-1157**

# What Better Way to Advertise your Company...and its FREE!

**Please forward your job project to us with photos and a job description and we will add them to future new letters**

**Send Information to Pam or Flo's attention!!**

A Testimonial reassures potential customers of our product!!

## Hi-Velocity Soft-Aire Cooling Feature:

As the Hi-Velocity Soft-Aire is a superior air delivery system, you can have **heating, cooling, ventilation, humidification and dehumidification, and high quality air filtration.** This becomes a diversified system in controlling the indoor environment to the comfort levels desired by the homeowner.

With the up coming cooling season look to the added benefits of the seasonal savings and added comfort with the indoor air control that the Hi-Velocity Soft-Aire system provides.

With the specially designed, (high efficient, extra wide) evaporator, the Hi-Velocity Soft-Aire system will remove up to thirty percent more moisture from the air passing through the coil. Since the air passing through the evaporator coil is in contact for a longer period of time, the temperature is dropped lower than with conventional systems, thus reducing the air's ability to hold moisture. This has the benefit of allowing a greater thermal comfort level, even at a higher indoor temperature. Dependent upon the humidity level, a person can be just as comfortable at 74°F, as they would normally be at 70°F.

As the high-pressure air leaves the vent outlet the air expands rapidly, creating a low-pressure zone around it. This action causes the air surrounding the vent to be drawn into the air stream also known as the venturi effect, thus eliminating the hot and cold spots. This along with the lower humidity level eliminates the cold clammy feeling while increasing the overall comfort level of the home.

Paramount in any comfort system is the heat loss/gain calculation. No system would be complete without doing one for proper system sizing. So be sure to be responsible to both yourself and your customer and make this the first step in your quotation to your customer. Over-sizing will increase overall energy cost, which is a fact of life these days.

### Upcoming news articles on Cooling:

- HV Fancoils with the use of higher seer rated condensing units.
- HV Systems and mold issues

## Installation Video Update:

Yes our installation video is almost done. We did a trial run at the AHRAE Expo Trade Show in Chicago the end of January. The response was very positive. We need to make a couple of changes so hang in there, be patient and we will let you know as soon as it is available.



It's a green light all the way for Randy Bykowsky, driver of ESP's Nitro Funny Car

Elaine and Leon Prevost are now proud owners of a Nitro Funny Car. The picture is "day one" of owning the car. Further details of the car will be in future newsletters and posted on the website.