



## Frequently Asked Questions

### **How does the Hi-Velocity System work?**

The Hi-Velocity System is a mini duct system. Pressure is created in the smaller supply ducts and converted to velocity at the outlets utilizing the Venturi Effect. This creates equal air flow to all the outlets and results in unmatched air delivery creating a draft free environment eliminating hot and cold spots.

### **What types of applications can the Hi-Velocity System work in?**

The Hi-Velocity System is ideal for residential, multi-family, retrofits and commercial applications.

### **How does the Hi-Velocity System address Indoor Air Quality (IAQ)?**

The Hi-Velocity System can provide humidification, dehumidification, introduce fresh air and be used with high efficiency air filters. Our *Hi-Velocity Air Purification System* (HE PS) is now available, and provides consumers unsurpassed indoor air quality.

### **Can the Hi-Velocity System provide heating and cooling?**

The Hi-Velocity System is a complete home comfort system, which can be used for heating, cooling or a combination of both.

### **How does the Hi-Velocity System compare to a conventional forced air system?**

The Hi-Velocity System utilizes the Venturi Effect to eliminate the hot and cold spots which are normally associated with conventional systems and creates even temperatures throughout the home. This benefit is enhanced in homes with high cathedral ceilings. From an installation standpoint designing duct layouts is substantially easier because vent outlets no longer need to be located on outside walls.

### **Can the Hi-Velocity System work with my existing air ducts?**

The Hi-Velocity System is designed to use small diameter ducts and will not operate correctly with larger duct systems.

### **What kind of sound levels kind I expect from the Hi-Velocity System?**

When designed and installed correctly the noise level on the Hi-Velocity System is equal or less than a conventional system.

### **Where is the best location for the Hi-Velocity System?**

The flexibility of the Hi-Velocity System allows the air handler to be located in attics, basements, crawl spaces and closets.

### **Where are the best locations for placing outlets?**

The outlets can be located in the floor, wall or ceiling. All three locations are equally effective.



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### **Are different styles of vent plates available?**

Our vent plates are available in many different types of compositions, plastic, metal, and wood which can be finished to match their surroundings.

### **What size of Hi-Velocity System do I require?**

It is recommended that an accurate room to room heat loss/gain is performed on the structure to ensure the correct size of unit is selected.

### **What options are available for heating?**

Boilers, dual purpose hot water heaters, heat pumps, and geothermal systems can all be used as heat sources. We also manufacture a slide in electric module for the system.

### **What options are available for cooling?**

Condensing units, chillers, heat pumps and geothermal systems can be used as cooling sources.

### **Is Zoning a possibility with Hi-Velocity Systems?**

Energy Saving Products Ltd. is proud to announce the release of our *PWM (Pulse Width Modulation) Zoning Controller*. The PWM is unique in the SDHV Industry because it is a true "Energy Saving Zoning Control System".

### **What types of thermostats can be used?**

Most 24 volt thermostats can be used with the Hi-Velocity System. Our unique control board makes wiring the thermostat to the air handler quick and easy.

### **What types of filters can be used on the Hi-Velocity System?**

Most filters on the market today can be matched to the units, including media filters, electronic filters and HEPA filters. Now available, our one-size fits-all *Hi-Velocity Air Purification System* offers home and business owners unsurpassed Indoor Air Quality. See our website for more details!

### **Can additional components such as humidifiers and HRV/ERV's be added?**

Various types of humidifiers and HRV/ERV's can be easily added to the unit.

### **How long is the warranty?**

\*One year limited warranty. The heat exchanger and blower are free from defects in workmanship for one year from date of purchase.

\*Two year limited warranty. The electrical strip heater is free from defects in workmanship for two years from date of purchase.

\*Three year limited warranty. The EPC Motor, EPC Controller and EPC Circuit Board are free from defects in workmanship for three years from date of purchase.

\*Refer to the Hi-Velocity Installation Manual for complete warranty terms.