

# **Frequently Asked Questions**

[www.WhisperSoft®.net](http://www.WhisperSoft®.net)

*There is an interactive chart on Bernoulli's Principle located on the bottom left corner of the home page. This may be helpful in answering some airflow questions. WhisperSoft's® design is based on this principle.*

Q: How does the WhisperSoft® System work?

A: The WhisperSoft® System is a *HYBRID* system. This combines the positive attributes from a typical conventional system along with the newer high velocity style system. Air is sped up to create aspiration as it passes through the WhisperSoft® air vents. This creates a uniform temperature range in all rooms without drafts or stagnant pockets of hot or cold air. However, this can be done in conjunction with EITHER conventional OR high velocity equipment.

Q: Where would you use a system like this?

A: The WhisperSoft® System has been designed for use with any brand HVAC system. This includes geothermal, heat pump, electric, or gas powered equipment. WhisperSoft® is made for homes, apartments, condos, new construction, offices, churches, and historical buildings.

Q: What do the air vents look like? Are different styles of air vents available?

A: Our air vents are 5 ½" in diameter, have a 3" opening in the center, and protrude ¼". They are available in white or brown colors that are made of 100% pure ABS. Natural oak air vents are also available which can be finished to match their surroundings.

Q: Can the WhisperSoft® System heat as well as cool?

A: Yes, this vent can accommodate both heating and cooling. Unlike most high velocity outlets on the market today, however, WhisperSoft® air vents will work with gas heat as well as electric.

Q: Is a 3" opening in the vent big enough to use with a 6" duct? Will enough air get through?

A: Definitely - as the opening in our vent narrows, the airflow speeds up. This is like putting your thumb on the end of a garden hose to get a jet or stream of water. This air vent delivers 80 - 100 CFM with a 6" insulated duct. This is what it was designed to do. When moving air is forced into a smaller space, its velocity speeds, and the flow rate remains constant.

Q: Will this cause higher pressure in the duct work and possibly damage existing equipment?

A: No, higher pressure will not occur when using the WhisperSoft® Air Vent System.

Q: How much air noise does the WhisperSoft® System make?

A: Normal registers with louvers can cause considerable air noise. Our modern air vent system was designed with no louvers which results in a much quieter “WhisperSoft®” sound. You should only hear a very low tone.

Q: How does WhisperSoft® compare to typical high velocity systems?

A: When used with high velocity equipment, WhisperSoft® air vents put out 80–100 CFM each. Only 2 per ton are needed as compared to 6-8 per ton with other high velocity setups. WhisperSoft® uses 4” insulated flex duct instead of 2”, 2 ½”, or 3” mini ducts. This allows for much more air per vent and is much less expensive to install. WhisperSoft® air vents are made from a higher quality material (ABS instead of polystyrene). Finally, the WhisperSoft® air vents are very quiet! The result is a substantial time and cost savings.

Q: How does WhisperSoft® compare to typical conventional forced air systems?

A: The WhisperSoft® System effectively eliminates stagnant air or “dead spots” in rooms that is so common with conventional systems. WhisperSoft® uses 6” insulated flex duct when used with conventional equipment while still maintaining 80–100 CFM per air vent. WhisperSoft® is made of 100% ABS, and won’t sweat or rust. This air vent is also more attractive and blends into the room because of its small size and shape.

Q: Can I add one or two WhisperSoft® air vents to my existing system to fix a “problem area”?

A: Yes, the WhisperSoft® System is designed for use with existing systems and will operate within specifications as long as the installation rules are followed.

Q: Where are the best locations for placing air vents?

A: The air vents can be located in the ceiling, wall or floor. Corner ceiling locations should be centered 6” from each wall are preferred for maximum effectiveness.

Q: What is the shipping charge for a typical system?

A: All order of over 25 assemblies ship FREE. Otherwise, shipping prices range from \$10-\$35.

Q: How long is the warranty?

A: We have the longest industry warranty available. 10 year limited manufactures warranty against defects or workmanship.