

WHISPERSOFT® SYSTEM FACT SHEET for High Velocity

- All components are made of ABS plastic, not the typical polystyrene plastic seen in other systems.
- The WhisperSoft® air vent has a 5 ½” outer diameter and a 3” opening in the center. It protrudes ¼” from the ceiling, wall or floor.
- The most notable feature of the WhisperSoft® air vents is the lack of air noise normally associated with other registers, grills, diffusers, outlets, etc...
- This is primarily a ceiling vent and resembles a can light. However, this can also be installed in floors or walls.
- ALL components fit together without glue, screws, or tape. If the components are pushed together firmly, they will not come apart from vibration or airflow since we have engineered a slight 3/1000 taper to each fit. To DISASSEMBLE, simply wiggle the connection back and forth and pull apart.
- This air vent is designed to accommodate airflow of 40 – 120 CFM with optimal airflow of 80 – 100 CFM.
- Higher CFM is possible but will create more air noise. However, a WhisperSoft® air vent can produce well over 200 CFM to a distance of over 30 feet if used with an 8” duct and a reducer.
- WhisperSoft® does NOT ventilate air but rather it aspirates the air. As the air flows from a 6” duct and is reduced to a 3” opening, the velocity speeds up to form a jet. This jet sucks existing room air towards itself in a swirling motion which quickly slows down as it moves sideways to effectively aspirate the air from floor to ceiling.
- WhisperSoft® air vents can be used on CONVENTIONAL heating and cooling systems with standard static pressures of ½” water column.
- Typical setup is 4 vents per ton with conventional equipment (80 - 100 CFM per vent). However, 6 vents per ton are preferred with a variable speed blower or 4” diameter ducts.
- WhisperSoft® air vents can be used on HIGH VELOCITY heating and cooling systems with high velocity static pressures of 1-2” water column.
- Typical setup is only 2 vents per ton with high velocity equipment (80 - 100 CFM per vent).
- WhisperSoft® can also be used on existing high velocity systems that typically have 5” diameter outlets and 2” mini-ducts. The difference is that you can use a much less expensive 4” insulated flex duct and also get 3X the airflow (up to 100 CFM) per vent.
- One WhisperSoft® air vent assembly can replace three High Velocity 2” mini-ducts and three High Velocity outlets thereby saving considerable time & money.