

INSTALLING WHISPERSOFT® AIR VENTS WITH AN EXISTING CEILING:

(using JC63 or JC43 assemblies)

This option is for new equipment installs when there is no ductwork or HVAC equipment present. WhisperSoft® air vents have identical system requirements as typical registers with one possible exception: they use high quality 6" or 4" flex duct. This setup is for a conventional system with WhisperSoft® air vents.

1. Determine and install any conventional HVAC system in the same manner as before. The WhisperSoft® air vents don't require any modifications to your system sizing figures.
2. WhisperSoft® air vents put out 80 - 100 CFM using a 6" flex duct, just like most conventional registers, so determining the total number needed should be similar. For ceiling AIR VENT locations, choose locations near the corners of the rooms about 6" from both walls and cut a 4" hole. Wall air vent installations are done in a similar fashion. Floor installations require a 3 ½" hole. Note that your placement options are better because of the air vent's smaller footprint.
3. In the attic (or basement), attach the 6X3 REDUCER or 4X3 REDUCER to your quality flex duct using a good quality foil tape. Attach one or two 45° ELBOWS by pushing the pieces together firmly. Use only a 4X3 REDUCER connected directly to the air vent when going through the floor.
4. Back in the room, pull a 45° ELBOW through the 4" hole (in the ceiling or wall) and attach the AIR VENT. Fit two J-CLIPS and two ASSEMBLY SCREWS to the holes on the face of the AIR VENT. Only screw the J-CLIPS on about ¼".
5. Place your thumbs under the heads of the screws and push the small end of the AIR VENT up through the 4" hole, engaging the J-CLIPS to grab onto the other side of the wall or ceiling.
6. In ceilings and walls, tighten the ASSEMBLY SCREWS using a #2 Philips screwdriver so the register fits neatly in place. For floor installations, insert screen material of choice, then screw floor AIR VENT directly to floor (no clips).

INSTALLING WHISPERSOFT® AIR VENTS WITHOUT AN EXISTING CEILING:

(using BB63 or BB43 assemblies)

The WhisperSoft® System can be installed in rooms after the ceiling joists are in place but before the ceiling goes up. The benefits to installing them this way are: more flexible ceiling air vent placement, more secure air vent attachment, and easier air vent installation.

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2. WhisperSoft® air vents put out 80 - 100 CFM using a 6" flex duct, just like most conventional registers, so determining the total number needed should be similar. For ceiling AIR VENT locations, choose locations near the corners of the rooms about 6" from both walls.
3. Attach a BOOT BRACKET to the ceiling joist with two #6 or #8 screws. Be sure that the square side is pointing up into the attic. Put the bottom edge of the bracket at the bottom edge of the ceiling joist. (Wall air vent

installations are done in a similar fashion. Floor installations require a 3 ½" hole. Note that your placement options are better because of the air vent's smaller footprint.)

4. In the attic, attach the 4X3 or 6X3 REDUCER to the flex duct using a good quality foil tape. Attach one or two 45° ELBOW COUPLERS by pushing the pieces together firmly. If needed, using two 45° ELBOW COUPLERS will give you a 90° angle for a tight space.
5. Attach the 45° ELBOW COUPLER to the BOOT BRACKET by inserting the end with the four rectangular lugs into the four corresponding rectangular notches of the BOOT BRACKET. Twist them clockwise until tight.
6. When setting the drywall in place, you can quickly mark the exact location of the AIR VENT by pushing the drywall into the sharp edge of the BOOT BRACKET. Then cut a 4" round hole where the BOOT BRACKET has scored the drywall.
7. Place the small side of the AIR VENT into the BOOT BRACKET and screw two ASSEMBLY SCREWS into the holes of the AIR VENT (no J-CLIPS required). You can use two of the four smaller holes in the BOOT BRACKET to start your screws or you can make your own holes with the screw's self tapping tips. (No J-Clips are required for this installation.)