



ProVent's PVC Noise Prevention Methods

ProVent Systems manufactures a PVC single stack DWV system that competes with the Sovent cast iron DWV system. The cost of using ProVent PVC over Sovent cast iron is significant. However, noise questions sometimes pop up:

The most important concern ProVent had when designing their new single stack PVC piping system was to reduce pipe noises by both design and control. The large PVC Stack Vent fitting was designed by using heavy duty schedule 80 wall thicknesses and built-in sound absorbing ribs built into the bypass portion of the Stack Fitting to reduce water noise.

ProVent layouts control the locations of the stacks inside certain walls that make a big difference in sound transmission. Stacks located in walls between back to back bathrooms do not create any objectionable water noise in areas where people live or sleep. Controlled locations of stacks in walls not located next to living areas will not create any objectionable water noises. A proper stack location makes sense and is easy to do when using the single stack system.

The original noise problem that still exists today is where the stack must be located inside a wall cavity next to living quarters. ProVent has solved this problem by using their "Whisper Quiet Shell Pipe" which covers over the bare PVC pipe using two spacer rings that provides a ¼" air space around the outside of the bare PVC pipe which acts as a sound baffle. The split Shell pipe has tongue and groove joints that simply snaps close using a pair of pliers. The "Whisper Quiet Shell Pipe" over all costs less than using cast iron pipe and can be quieter depending on the installation.

All the above ProVent methods will produce a quiet PVC single stack system that already has a proven record of plumbing systems that work while eliminating annoying water sounds within living areas. Using cast iron pipe to reduce water noises no longer makes any sense.