

Installation Instructions

2" Air Admittance Valve Installation Instructions

1. ProSet's Fire Rated Air Admittance Valve is intended to act as a branch or main vent for plumbing drainage systems and can also be used as a part of ProSet firestop that will prevent the spread of fire and smoke through a plastic pipe penetration. The valve complies with the ASSE 1050-1051 and the ASTM E-814 Test Standards.
2. The Firestop and Air Admittance Valve have a dual sized 1 1/2" socket and a 2" spigot with a PVC solvent cemented connection to a PVC vent pipe venting up to a 4" waste pipe. The Air Admittance Valve must be installed within 15 degrees vertically in an accessible location. It must be installed a minimum of 6" above the flood rim level of the highest fixture when used as a main vent and a minimum of 6" above the top of a trap arm when used as a branch vent.
3. The air vent valve can serve as a vent terminal for a individual stack vent, branch vent, or in circuit venting of various fixtures. The air vent takes the place of the normal vent piping required to vent a plumbing drainage system. When horizontal drainage branches connect to a stack that has more than four (4) branch intervals serving four or more fixtures, a relief vent must be added to the lowest branch entering the stack and connect to a "through the roof air vent pipe". The maximum height of stack piping that can be stack vented using the air admittance valve is six (6) branch intervals without a relief vent or in accordance with local plumbing code requirements. *(See typical relief vent installation detail)*
4. The maximum number of fixture units to be vented by the valve can be determined by the required waste pipe sizes. The valve must be sized a minimum of one-half the required diameter of the waste pipe it is serving. 1 1/2" minimum will serve up to 3" waste. 2" minimum will serve up to 4" waste. If the vent piping exceeds more the 40 feet in developed length above the waste portion, the vent size shall increase by one pipe size.
5. The valve can be installed within the wall cavity at the same time the rough-in plumbing is installed. The PVC valve cap can be solvent welded to the valve body to hold head pressure of over 30 feet. If the valve is installed within the wall cavity, a grille must be installed to supply air and provide a net free air area equal to the cross sectional area of the vent pipe.
6. The ProSet Fire Rated Air Admittance Valve SBOCI PST & ESI evaluation Report NO. #9858 limits the use of the valves for venting "Special Wastes". "Special Wastes" refers to a highly corrosive waste or any waste that contains harmful chemicals that could impair the normal function of the valve itself. This type of waste is normally prohibited by plumbing code to discharge into the sanitary sewer system.
7. When the Air Admittance Valve is used as part of a ProSet Firestop system, it should be installed in accordance with Firestop Designs PS/PH 120-08 and PS/PH 120-09 as shown in the Warnock Hersey 1998 Directory of Listed Products.
8. When the Air Admittance Valve is exposed to extreme cold temperature areas, the top portion of the air vent should be protected with insulation to prevent condensation freezing.