



Chem-Vent®

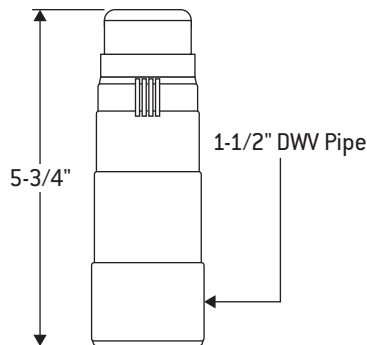
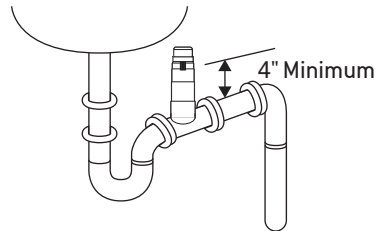


Figure 1



Chem-Vent shall be located a minimum of 4" above the trap arm (horizontal branch drain) from the bottom of the valve seal

Figure 2

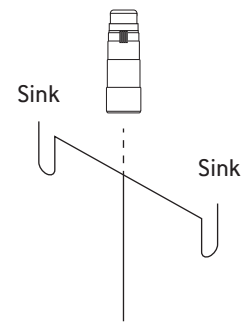


Figure 3

1. The Chem-Vent® comes with an integral extended Flame-Retardant Polypropylene (FR-PP) sch 40 tail piece (see figure 1) that allows direct mounting on any commercially available 1-1/2" FR-PP sanitary Tee.
 - a. The Sch 40 dimensions of the Chem-Vent® tail piece allow direct mounting on any fusion or mechanical joint fitting.
 - b. Follow acid waste piping manufacturer's joining instruction to install the Chem-Vent® on a molded FR-PP sanitary Tee.
 - c. The Chem-Vent® is manufactured from Flame-Retardant Polypropylene (FR-PP) conforming to ASME D4101 (Standard Specification for Polypropylene Injection and Extrusion Materials.)
2. Installation shall be in accordance with manufacturer's installation instructions and local code requirements.
3. The Chem-Vent® must be installed in a vertical position – maximum offset from vertical position is 15 degrees.
4. The Chem-Vent® must be installed a minimum of 4 inches above the trap arm (horizontal branch drain) as measured from the bottom of the valve seal. (See Figure 2)
 - a. Integral tail piece will always guarantee compliance with this dimension when valve is installed on any molded FR-PP Sanitary Tee via either mechanical joint or electrofusion.
 - b. Do not cut or shorten the integral tail piece.
5. The Chem-Vent® must be installed after the testing of the drainage system (after rough-in) is complete.
6. The Chem-Vent® must be installed in an accessible location that permits free movement of air into the valve.
7. The Chem-Vent® is rated for either single fixture applications (see figure 2) or small group of sinks (see Figure 3) not to exceed 3 Drainage Fixture Units (DFUs) for 1-1/2" pipe or 6 DFUs for 2-inch pipe.
8. The Chem-Vent® shall not be used in a stack vent application and shall only vent fixtures that are on the same floor level and connect to a horizontal branch.
9. The Chem-Vent® is an air admittance valve, and as such, does not relieve positive pressure in the line.
10. For installation in chemical waste systems with a temperature range between -40°F and $+212^{\circ}\text{F}$. Capable of withstanding peak internal flow temperatures up to $+212^{\circ}\text{F}$.
11. A minimum of one open pipe vent shall extend to the open air for every building plumbing drainage/chemical waste system.
12. The Chem-Vent® can be used to vent sumps or tanks when installed in an engineered system and in accordance with the details in the Studor Engineering Manual 10th Edition, page 30.
13. **WARNING:** Studor Chem-Vent® cannot be installed in applications where vented fumes are required to pass through biological and/or chemical filters before being released to the atmosphere.