

Suggested specification for Basic Vent

Pump Station (or Wet Well) main vent shall be sized to accommodate the amount of cubic feet of air that is displaced by influent during the anticipated maximum flow conditions in a passive system or to meet the CFM rating of the active fan on the station. The vent shall consist of a flange suitable for bolting the vent to the structure, the main barrel that conducts the air flow from the structure to the vent head, and a vent head consisting of an exhaust screen and a properly sized cap. The free area of the exhaust screen exposed to the atmosphere shall equal or exceed the free area of the screen which is internal in the vent, and in addition shall be equal to or exceed the amount of free area required to pass the required volume of air at a maximum external pressure of .25” through the main barrel of the vent.

Cap shall be secured to the vent assembly with quick lock insert pins and shall be easily removable for inspection and cleaning of the vent when required. All vent materials shall be gray schedule 40 or 80 PVC.

Basic Vent shall be as manufactured by EZ Vent, Conowingo, MD (410 658 2000) and shall be model _____, suitable for handling _____ (insert higher of either gpm inflow or gpm pumped discharge) or (insert cfm of air required).