

## **Suggested specification for Powered Odor Control System**

Pump Station (or Wet Well) main vent shall be sized to accommodate the amount of cubic feet of ventilation air required by governing local design regulations. The odor removal system shall consist of a canister, lid and airway riser that conducts the air flow from the structure into the canister. The canister and lid shall be constructed of stainless steel. The lid shall be secured by a stainless steel lever actuated clamp. The free area of the exhaust screen exposed to the atmosphere shall be stainless steel and have an open free area not less than 48%.

The lid shall be easily removed by releasing the one piece snap lock lever actuated clamp allowing for maintenance and replacement of the carbon without requiring removal and handling of the cartridge.

Air velocity through the carbon bed portion of the canister shall not exceed 100 linear feet per minute. Adsorptive retention time exposure shall not exceed 1 second per linear foot of travel through the cartridge.

Fan shall be explosion proof, class A construction, with a radial wheel, and shall be sized to match the cartridge provided. Motor and wheel shall be removable without disturbing the remainder of the cartridge vent system and shall also allow the fan body to remain in place.

The intake vent shall consist of a flange suitable for bolting the vent to the structure, a main barrel, and a vent head consisting of an intake screen and a properly sized cap. The free area of the intake screen exposed to the atmosphere shall equal or exceed the free area of the screen which is internal in the carbon canister, 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 structure 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.

Powered Odor Control System shall be as manufactured by EZ Vent, Conowingo, MD (410 658 2000) and shall be model \_\_\_\_\_, suitable for handling \_\_\_\_\_cfm of air.