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SPECIFICATIONS

TAPS™ ODOR CONTROL VENT FILTERS

SCOPE

1.1 Under this item, the contractor shall supply and install to manufacturer's recommendations a Taps™ Vent Filter as shown on contract drawings and specified hereunder.

MATERIALS & DESIGN

General

2.1 The Taps™ Vent Filter and any associated components shall be manufactured from corrosion - proof material suitable for atmospheres containing hydrogen sulfide and dilute sulfuric acid as well as other gases common to wastewater collection and processing, and be filled with dry granules capable of effective control of odors associated with such gases.

The Filter Body

2.2 The filter body and related components such as reducers and flanges shall be made of Schedule 40 PVC or of ABS plastic. The perforated end caps shall be of polypropylene. Fasteners shall be of 302 stainless steel.

The Filter Granules

2.3 The granules shall remove H₂S and malodorous compounds from the air stream via dry-air oxidation chemistry. Oxidation shall be accomplished via molecular contact with the granules, producing solid by-products which are deposited on and within the media. Other malodorous gases shall be treated by absorption and adsorption. Oxidation and absorptive capacities shall not be diminished by ambient humidity.

Granule Replacement

2.4 The filter assembly shall be refillable upon removal from vent stack.

INSTALLATION

3.1 Filter shall push over vent stack or spigot x socket reducing bushing to a seating ring and be tightened to vent stack by stainless steel thumb screws.

FIELD TESTING & TRAINING

4.1 Measure atmospheric H₂S in ppm emanating from vent before and after installation of filter.

4.2 No field training required.