

A. This specification defines the requirements for a Wager 2050-200 Vent Scrubber 2050FAPC-200 manufactured by Wager Company in Rural Hall, NC.

B. The 2050FAPC-200 consists of dry-scrubbing media contained in a fabricated aluminum plate housing, powder coated, grass green with a 4" or 6" inlet.

C. The 2050FAPC-200 shall contain 200 lbs of dry-scrubbing media that is engineered for the removal of H₂S gas. The media is contained in four corrugated plastic container that is 11" x 18" in size.

D. The airflow shall be designed for passive applications. The configuration shall be arranged so that the contaminated air shall flow from the bottom flange and be forced upward through the media bed and discharged through ventilated openings.

E. The 2050FAPC-200 contains FOUR air admittance valves. They intake directly into the lines without any restrictions from the unit's media bed. This assures continued airflow during pumping sequences needed with air release valves, and also with a vacuum sewer system where outside fresh air is required for system operation.

F.. All components of the 2050FAPC-200 shall include:

- 1 A fabricated aluminum plate body, powder coated grass green
- 2 200 lbs of odor controlling media engineered in pellet form
- 3 4" or 6" flanged connection – Optional metric flange
- 4 Tamper proof lockable hook and security latches
- 5 Disposable media corrugated plastic insert

G. Vent Scrubber Material

1. Fabricated Aluminum plate
2. Four corrugated plastic canister measuring 11 6" x 18" each containing 50 LBS of media.
3. Latches in 316SS
4. Hooks in 316SS
5. 200 lbs of odor controlling media designed for removal of H₂S gas
6. 4" or 6" Flanged Connection with 7.5" (191mm) bolt circle – Optional metric flange
7. Plastic vent scrubbers that contain activated alumina media or carbon will not be accepted.
8. Media must be Non-Hazardous before and after it is spent.

H. Media Specification

1. Moisture Content: 35% Max
2. Crush Strength: 35%-70% Max
3. Abrasion: 4.5% Max
4. Pellet Diameter: 1/16" – .” (1.5mm-6.5mm)

I. Wager media only will be accepted due to the high level of capacity. No equals will be accepted. Carbon will not be accepted.

J. Only UL certified media will be accepted in Wager's vent scrubber.

K. If other media's are used in this unit, it must be designed to be 25% larger with a minimum of 25% additional media.

L. . The general contractor is responsible for all design cost changes, engineer review time, and testing verification.

M. Analytical Services:

1. Samples of the media may be analyzed in order to predict the life of the system media at Wager's expense.

N. Wager 2050 CFM Water Separator

1. The body of the water separator is constructed from 50-52 H32 aluminum plate and is epoxy coated for protection from harsh environments.
2. The overall measurements of the unit are 26.25" x 31.25" x 35"
3. 4" or 6" flanged threaded aluminum connection provided for attaching to the 2050-200i
4. A Kerick Valve Assembly with float allows for excess accumulated water to be expelled.
5. An inlet stem provides an exit for accumulated moisture from the air release valve.
6. A perforated plate provides drainage of excess water from the mist eliminator pad.
7. A Nitrile gasket allows for a tight fit of the aluminum plate cover.
8. SS ¼-20 pem nuts seal the top plate

O. Mist Eliminator Wire Mesh

1. Designed to remove 99% of water vapor.
2. 24" Wide x 24" High
3. MESH: 316
4. 0.217" DIA. 304 SS TOP & BTM GRIDS