

S P E C I F I C A T I O N S

A. This specification defines the requirements for a Wager 2050-900 Vent Scrubber 2050-900 manufactured by Wager Company in Rural Hall, NC. ISO 9001 : 2015 REGISTERED COMPANY Cert No. US4050

B. The 2050-900 consists of dry-scrubbing media contained in a fabricated 316SS plate housing, with a 6" 8" inlet.

C. The 2050-900 shall contain 27³ of dry-scrubbing media that is engineered for the removal of H₂S gas. The media is contained in 18 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 2050-900 contains 8 air admittance valves, Intake air 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 2050-900 shall include:

- 1 A fabricated 316 Stainless steel plate body
- 2 27³ ft. of odor controlling media engineered in pellet form
- 3 6" or 8" 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 316 Stainless
2. Eighteen corrugated plastic canisters measuring 11 6" x 18" each containing 1.5³ cf. of media.
3. Latches in 316SS
4. Hooks in 316SS
5. 27³ cf. of odor controlling media designed for removal of H₂S gas
6. 6" or 8" Flanged Connection
7. Plastic Drum 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" (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. Registered ISO 9001 company only

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. Built in Water Separator / mist eliminator

1. The body of the water separator is constructed from 316 Stainless Steel plate.
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 1/4-20 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