

# 2050-900

## SPECIFICATIONS

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

B. The 2050FAPC-900 consists of dry-scrubbing media contained in a fabricated 5052 aluminum or 316SS housing, with a 10" inlet.

C. The 2050FAPC-900 shall contain 900 lbs of dry-scrubbing media that is engineered for the removal of H<sub>2</sub>S 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 water separator/media bed and discharged through ventilated openings.

E. The 2050FAPC-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 2050FAPC-900 shall include:

- 1 A fabricated Aluminum plate body. Powder coated grass green
- 2 900 lbs. of odor controlling media engineered in pellet form
- 3 10" 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. Eighteen corrugated plastic canisters measuring 11 6" x 18" each containing 1.5<sup>3</sup> cf. of media.
3. Latches in 316SS
4. Bug screen vents
5. 27<sup>3</sup> cf. of odor controlling media designed for removal of H<sub>2</sub>S gas
6. 10" 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 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. 10" flanged threaded aluminum connection provided for attaching to the 2050-900
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 Nitrile gasket allows for a tight fit of the aluminum plate cover.

O. Mist Eliminators

1. Highest collection efficiency of ANY mesh-type media: 99+% @ 1 µm.
2. Composite pads of various mesh styles allow for optimization of efficiency, pressure drop, and pluggage resistance.
3. Able to handle the widest range of gas velocities and contaminant levels.
4. High void spaces (94-97%) and the largest fiber diameters contribute to the highest resistance to fouling.
5. Lower pressure drops than traditional knitted mesh.
6. Custom fabrication to conform to any Wager 2050 series.
7. The media is cleanable & reusable for extended service life in the harshest environments.
8. Wide range of materials of construction available, including polypropylene, PVDF, ETFE and PFA, to meet any level of temperature and corrosion requirements.



**WAGER**  
C O M P A N Y

[www.wagerusa.com](http://www.wagerusa.com)  
336.9696909  
[LWager@wagerusa.com](mailto:LWager@wagerusa.com)  
[Mpowers@wagerusa.com](mailto:Mpowers@wagerusa.com)