

2050-450

SPECIFICATIONS

- A.** This specification defines the requirements for a Wager 2050-450 Vent Scrubber, manufactured by Wager Company , Rural Hall, NC.
- B.** The 2050FAPC-450 consists of dry scrubbing media contained in a fabricated 5052 aluminum or 316ss housing. It is powder coated grass green, with a 4", 6", or 8" outlet.
- C.** The 2050-450 shall contain 450 lbs. of dry-scrubbing media that is engineered for the removal of H₂S gas. The media is contained in (9) corrugated plastic containers that are 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 the ventilated openings.
- E.** The 2050FAPC-450 contains EIGHT air admittance valves. Each valve can take up to 300 CFM directly into the lines without any restrictions from the unit's media bed. This assures continued airflow during pumping sequences needed with the 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-450 shall include:
1. A fabricated aluminum plate body, powder coated grass green.
 2. 450 lbs. of odor scrubbing media engineered in pellet form.
 3. 4", 6", or 8" flanged connection – Optional metric flanges available.
 4. 316ss Tamper proof lockable hook and security latches.
 5. Disposable media corrugated plastic inserts.
 6. Bug screen vents
- G.** Vent Scrubber Material
1. Fabricated Aluminum Plate or 316ss
 2. NINE corrugated plastic canisters that measure 11. 6" x 18". Each canister contains 50 LBS of odor scrubbing media.
 3. Latches in 316SS
 4. Bug screen vent outlet
 5. 450 lbs. of odor scrubbing media designed for removal of H₂S gas.
 6. 4", 6" or 8" flanged connection with 7.5" (191mm) bolt circle – optional Metric flanges.
 7. Non-toxic, Landfill disposable media only.
- *** Plastic vent scrubbers that contain activated alumina media or carbon not accepted.**
- 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 its high level removal 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 forms of media 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.



WAGER
C O M P A N Y

www.wagerusa.com
336.9696909
LWager@wagerusa.com
Mpowers@wagerusa.com

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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. 4", 6", or 8" flanged threaded aluminum connection provided for attaching to the 2050-450
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 μ m.
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.



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