

# 2050-450-IP

## SPECIFICATIONS

- A.** This specification defines the requirements for a Wager 2050-450-IP Vent Scrubber 2050FAPC-IWS-450-IP manufactured by Wager Company in Rural Hall, NC.
- B.** The 2050FAPC-IWS-450-IP consists of dry-scrubbing media contained in a fabricated aluminum plate housing, powder coated, grass green with a 4", 6" or 8" inlet.
- C.** The 2050FAPC-IWS-450-IP shall contain 450 lbs of dry-scrubbing media that is engineered for the removal of H<sub>2</sub>S gas. The media is contained in a corrugated plastic container that is 11" x 11" 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 vent check intake contains 316ss, ¼ x ¼ mesh screen, a disc style float, buna seat, 316 guide rod.
- F.** The 2050FAPC-IWS-450-IP contains EIGHT 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 with a vacuum sewer system where outside fresh air is required for system operation.
- G.** All components of the 2050FAPC-IWS-450-IP shall include:
1. A fabricated aluminum plate body, powder coated grass green
  2. 450 lbs of odor controlling media engineered in pellet form
  3. 4", 6" or 8" flanged connection – Optional metric flange
  4. Tamper proof lockable hook and security latches
  5. Disposable media corrugated plastic insert
- H.** Vent Scrubber Material
1. Fabricated Aluminum plate
  2. Corrugated plastic canister measuring 11 ½" x 11 ½"
  3. Latches in 316SS
  4. Hooks in 316SS
  5. 450 lbs of odor controlling media for removal of H<sub>2</sub>S gas and topped with a layer of POWER-4 Permanganate.
  6. 4", 6", or 8" 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.
- I.** Media Specification
1. Moisture Content: 35% Max
  2. Crush Strength: 35%-70% Max
  3. Abrasion: 4.5% Max
  4. Pellet Diameter: 1/16" – ¼" (1.5mm-6.5mm)
- J.** Wager media only will be accepted due to the high level of capacity. No equals will be accepted. Carbon will not be accepted.
- K.** Only UL certified media will be accepted in Wager's vent scrubber.
- L.** If other media's are used in this unit, it must be designed to be 25% larger with a minimum of 25% additional media.
- M.** The general contractor is responsible for all design cost changes, engineer review time, and testing verification.
- N.** Analytical Services:
1. Samples of the media may be analyzed in order to predict the life of the system media at Wager's expense.



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