

SPECIFICATIONS

3100-V VACUUM AIR RELEASE ODOR CONTROL VALVE

- A. This specification defines the requirements for a Wager 3100-V Vent Scrubber manufactured by Wager Company in Rural Hall, NC.
- B. The 3100-V consists of dry-scrubbing media contained in a fabricated aluminum plate housing, powder coated, grass green with a 1.5" female threaded inlet.
- C. The 3100-V shall contain 30 lbs of dry-scrubbing media that is engineered for the removal of H₂S 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. All components of the 3100-V shall include:
- 1 A fabricated aluminum plate body, powder coated grass green
 - 2 30 lbs of odor controlling media engineered in pellet form
 - 3 1.5" threaded connection
 - 4 Tamper proof lockable hook and security latches
 - 5 Disposable media corrugated plastic insert
 - 6 Two Air intake Admittance valves
- F. 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. 30 lbs of odor controlling media designed for removal of H₂S gas
 6. Plastic vent scrubbers that contain activated alumina media or carbon **will not be accepted.**
 - A. Media must be Non-Hazardous before and after it is spent.
 7. Media Specification
 - A. Moisture Content: 35% Max
 - B. Crush Strength: 35%-70% Max
 - C. Abrasion: 4.5% Max
 - D. Pellet Diameter: 1/16" – ¼" (1.5mm-6.5mm)
 8. Wager media only will be accepted due to the high level of capacity. No equals will be accepted. **Carbon will not be accepted.**
 9. Only UL certified media will be accepted in Wager's vent scrubber.
 10. If other media's are used in this unit, it must be designed to be 25% larger with a minimum of 25% additional media.
 11. The general contractor is responsible for all design cost changes, engineer review time, and testing verification.
 12. Analytical Services:
 - A. Samples of the media may be analyzed in order to predict the life of the system media at Wager's expense.
- G. Wager 60 CFM WATER SEPARATOR
- The body of the water separator is constructed from 50-52 H32 aluminum plate and is epoxy coated for protection from harsh environments.
- The overall measurements of the unit are 4 ¼" W x 7 ¾" L x 9 ½" H (Technical drawing attached)
- 1.5" schedule 80 NPT threaded aluminum stems are provided for connection to an air release valve and the Wager 3100 unit
- A Kerick Valve Assembly with float allows for excess accumulated water to be expelled.
- An inlet stem provides an exit for accumulated moisture from the air release valve.
- A perforated plate provides drainage of excess water from the mist eliminator pad.
- A Nitrile gasket allow for a tight fit of the aluminum plate cover
- SS ¼"-20 pem nuts seal the top plate.
- H. Mist Eliminator Wire Mesh
- Designed to remove 99% of water vapor.
- 3.5" Thick (4" OAH)
- MESH: 316
- 0.217" DIA. 304 SS TOP & BTM GRIDS