

2050-900

ODOR CONTROL SYSTEMS



WAGER
C O M P A N Y

570 MONTROAL RD, RURAL HALL, NC 27045
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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 2050FAPC-900 manufactured by Wager Company in Rural Hall, NC. **ISO 9001 : 2015 REGISTERED COMPANY Cert No. US4050 (Compliance with Build America, Buy America Act)**
- B.** The 2050FAPC-900 consists of dry-scrubbing media contained in a fabricated 316SS plate housing, with a 6" 8" inlet.
- C.** The 2050FAPC-900 shall contain 27³ cf 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 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 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 Aluminum plate
 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" – . " (1.5mm-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. 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 ¼-20 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

2050-900

REPLACEMENT PARTS LIST

| | |
|--------------|-------------------------------------|
| 2050-900-T | 2050-900 COVER |
| 2050-900-B-8 | 2050-900 BOTTOM COMPLETE |
| AAU-200-G | 2050-200-DOOR BUNA GASKET |
| OCU-2050-50 | 50 LB. CARTRIDGE ODOR CONTROL MEDIA |
| VRV-2050 | VRV ASSEMBLY-TRANS |
| 233-GASKET-3 | GASKET, 3.0 "I.D.x 3.5" O.D. |
| SV- LATCH | UNDER CENTER DRAW LATCH |
| 2500 ACFM | MIST ELIMINATOR PAD |
| WS-DRAIN | WATER SEPARATOR VALVE |



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INSTALLATION INSTRUCTIONS

- **Pour a concrete pad with bolts in place for slated feet on the unit.**
- **If preferred, a level crush stone pad may be used in lieu of concrete.**
- **Set the 900 on pad or stone, and bolt it down.**
- **Remove media from the unit.**
- **If the 900 is being used in conjunction with an ARV, get a complete blowout of the ARV so that there is no big slug of air through the media bed.**
- **Unwrap the media canisters and place in the unit.**
- **Reinstall the 900 cover, and lock down.**



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INSTALLATION GUIDE



1. Remove media canisters. Ensure all of the original plastic wrap is removed from canisters. Media is in pellet form and should move freely to allow air to vent through. Check media pellets to ensure they are NOT wet.



2. Reinstall media canisters ensuring they are flush with the valve's inner chamber. *Model 450 shown.



3. Place unit in desired location. Bolt flange to vent stack.



4. Secure the lid with the four lockable latches



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TEST PROCEDURES

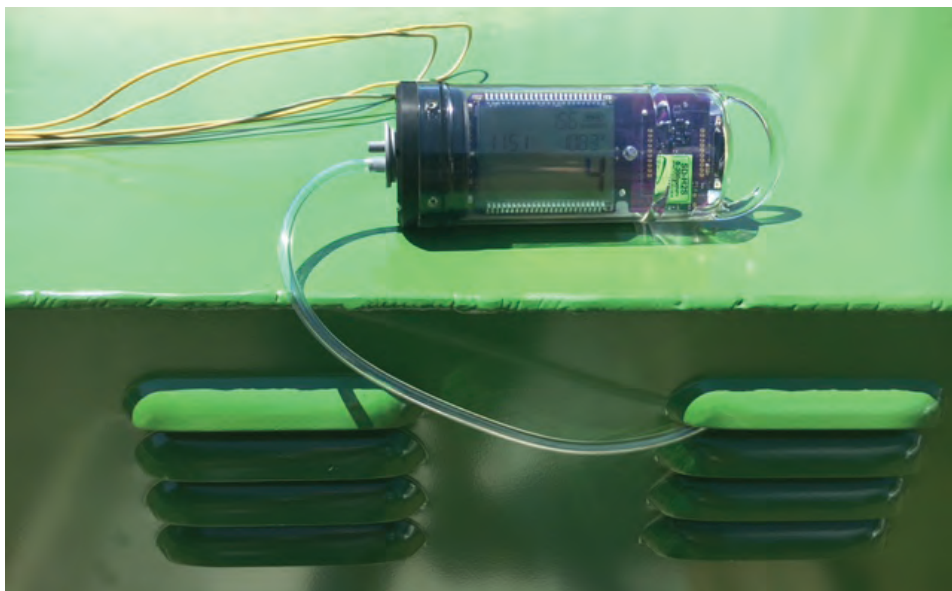


(Example of Side flange procedure.)



(Example of bottom flange procedure.)

1. Place Odor Logger in the bottom chamber of the unit, below the media baskets.



2. Place Odor Logger on top of media baskets, or place tube through the vent louvers.



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MAINTENANCE GUIDE



1. Unlatch and remove lid from unit. Visually inspect the media canisters and air intake valves. *2050-450 pictured.*



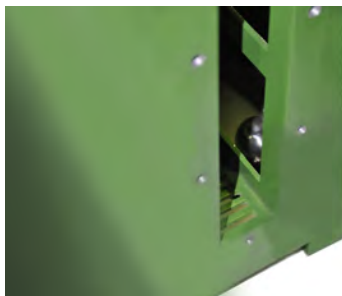
2. Inspect the media. Make sure it is dry. Shake or stir media pellets inside canisters every 3-6 months for maximum media life.



3. Unbolt water separator access plates. Inspect bolts, washers, and gasket. Remove water separator pads. *2050-450 pictured.*



4. Wash water separator pad with hose.



5. With the water separator pad out, inspect float drain assembly. Remove any debris and ensure drain is clean.



6. Reinstall water separator pads, gaskets, and water separator pad plates back onto the unit. Secure the lid with the four lockable latches *2050-450 pictured.*

WARRANTY

Wager warrants our full line of Odor Control Valves for a period of twelve (12) months from the date of purchase of our products. This warranty covers the repair or replacement of any faulty manufacture of equipment produced by Wager. No allowance will be granted for repairs or alterations made by the Buyer.

The (1) year warranty does not cover Wager's engineered media. The media is meant to be replaced over time after scrubbing odorous gases from various sewer applications. Replacement of Wager's media with unauthorized material will affect the Limited Warranty of our products.



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