2050-1600

ODOR CONTROL SYSTEMS

WAGER
COMPANY

570 MONTROAL RD, RURAL HALL, NC 27045

(336) 969-6909 • 1-800-562-7024 (US) • WWW.WAGERUSA.COM

2050-1600
SPECIFICATIONS

A.This specification defines the requirements for a Wager 2050-1600 Vent Scrubber 2050FAPC-1600 manufactured by Wager Company in Rural Hall, NC. ISO 9001 : 2015 REGISTERED COMPANY Cert No. US4050

B. The 2050FAPC-1600 consists of dry-scrubbing media contained in a fabricated 5052 aluminum or 316SS housing, with a 12" inlet.

C. The 2050FAPC-1600 shall contain 1600lbs of dry-scrubbing media that is engineered for the removal of H2S gas. The media is contained in 32 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-1600 contains 13 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-1600 shall include:

1 A fabricated Aluminum plate body. Powder coated grass green
2 1600 lbs. of odor controlling media engineered in pellet form
3 12" 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 ó" x 18" each containing 1.5³ cf. of media.
3. Latches in 316SS
4. Bug screen vents
5. 48³ cf. of odor controlling media designed for removal of H2S gas
6. 12" 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 5052 H32 aluminum plate and is epoxy coated for protection from harsh environments.
2. The overall measurements of the unit are 60" x 125" x 55"
3. 12" flanged threaded aluminum connection provided for attaching to the 2050-1600
4. 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. (8) 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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REPLACEMENT PARTS LIST

2050-1600-T	2050-1600 COVER
2050-1600-B-8	2050-1600 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 1600 on pad or stone, and bolt it down.
- Remove media from the unit.
- If the 1600 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 1600 cover, and lock down.

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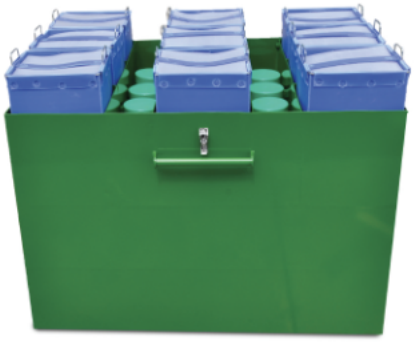
MAINTENANCE GUIDE

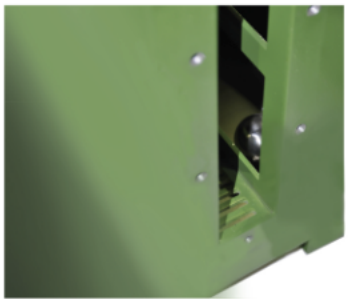


1. Unlatch and remove lid from unit. Visually inspect the media canisters and air intake valves.

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.

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. MODEL 2050- 1600 FOLLOW THE SAME STEPS

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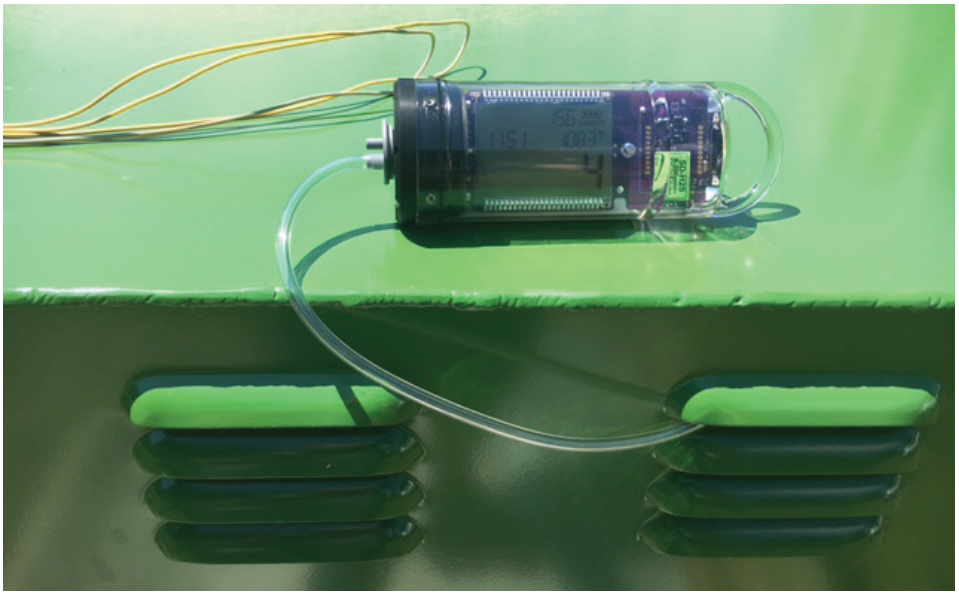
(Example of Side flange procedure.)

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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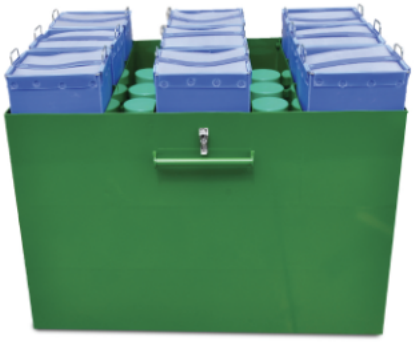
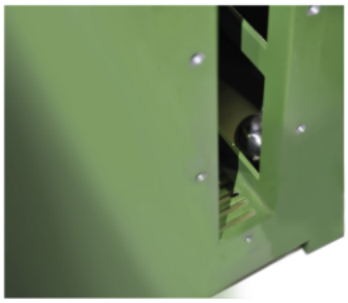


1. Unlatch and remove lid from unit. Visually inspect the media canisters and air intake valves.

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.

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

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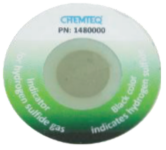
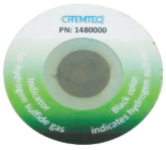
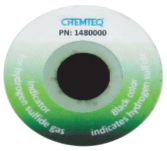
MEDIA INDICATOR STICKERS



Replace Filter





Over Exposed

Operating Instructions

a. Ensure that packaging pouch is intact.

b. Open packaging pouch by tearing off the top part from one of side notches

c. Remove indicator sticker from the packaging pouch.

d. Peel off the protective liner to expose the bottom adhesive (Figure 1).

e. Hold the sticker from the edges, as shown in Figure 2, and place it on center clean area of the filter's outlet with the reading area (glossy surface) of the sticker facing up.

f. Press firmly to attach sticker to the filter's outlet (Figure 3).

g. Replace filter when the reading area of the indicator changes color to brown or black.

*Caution: Do not touch bottom adhesive or the exposure area.

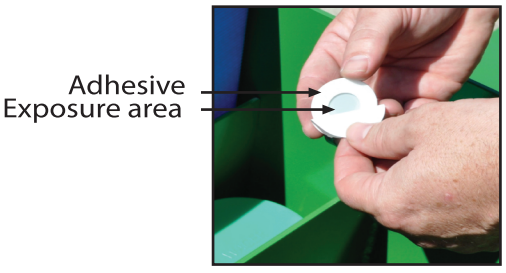


Figure 1

Figure 2

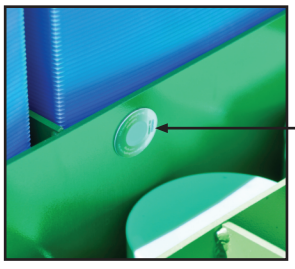


Figure 3

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