

2050-1350

ODOR CONTROL SYSTEMS



WAGER
C O M P A N Y

570 MONTROAL RD, RURAL HALL, NC 27045

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

2050-1350

SPECIFICATIONS

A. This specification defines the requirements for a Wager 2050-1350 Vent Scrubber 2050FAPC-1350 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-1350 consists of dry-scrubbing media contained in a fabricated 5052 alum or 316SS plate housing, with a 6"-12" inlet.

C. The 2050FAPC-1350 shall contain 1350 lbs. of dry-scrubbing media that is engineered for the removal of H2S gas. The media is contained in 27 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-1350 contains 16 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-1350 shall include:

- 1 A fabricated 5052 Alum or 316 Stainless steel plate body
- 2 1350 lbs. of odor controlling media engineered in pellet form
- 3 6"- 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 or 316ss
2. Twenty seven corrugated plastic canisters measuring 11 6" x 18" each containing 1.5³ cf. of media.
3. Latches in 316SS
4. Hooks in 316SS
5. 1350 lbs. of odor controlling media designed for removal of H2S gas
6. 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" (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 aluminum plate and is epoxy coated for protection from harsh environments, or the option of 316ss
2. The overall measurements of the unit are 10ft x 4ft x 4ft high
3. 6-12" flanged threaded aluminum connection provided for attaching to the 2050-1350
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 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 Mesh Pads

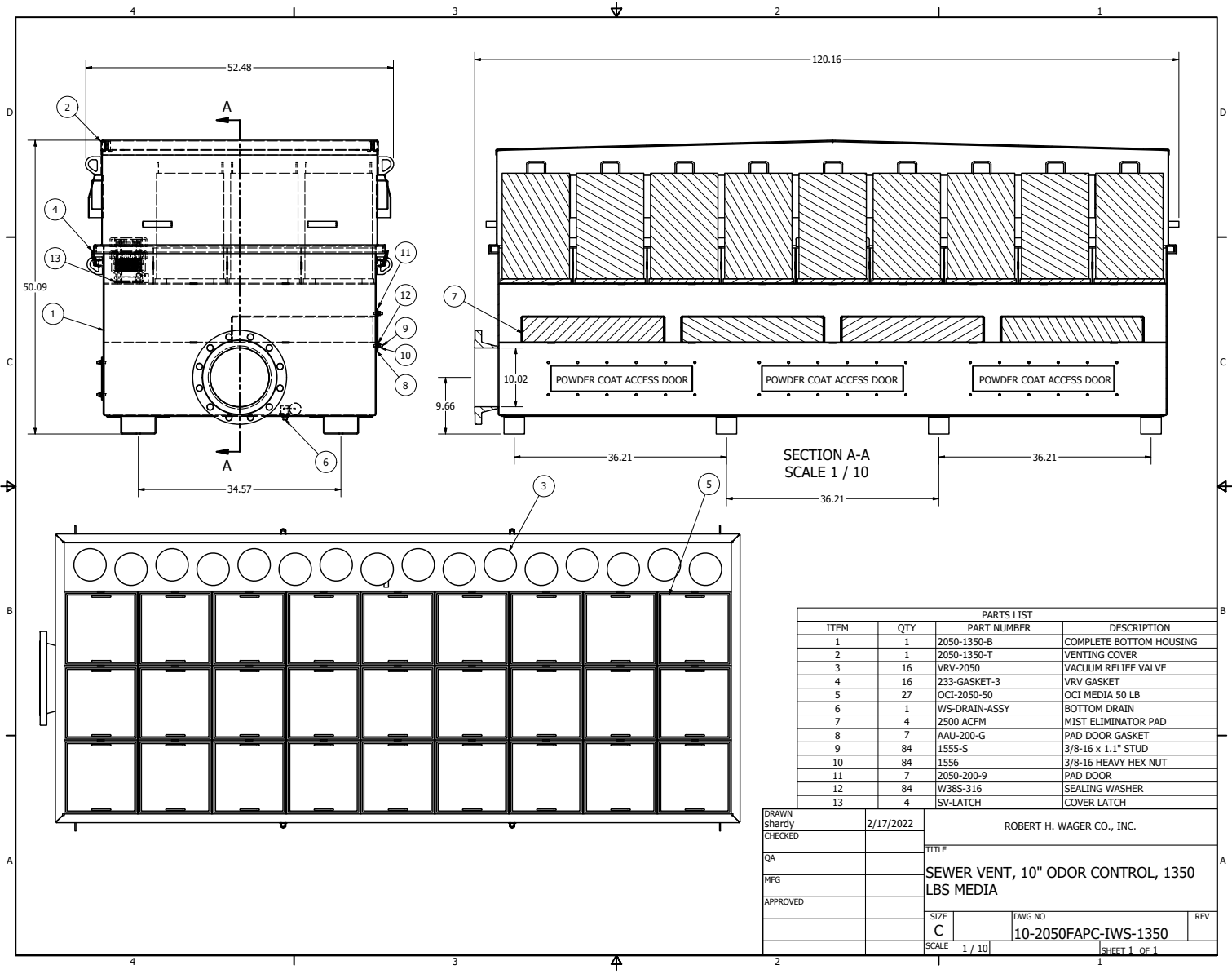
1. Designed to remove 99% of water vapor.
 2. (4) 24" x 24" mist Eliminator pads
 3. MESH: PP, T max = 210° F
 4. 2.2 inches, nominal thickness TOP & BTM GRIDS INTAKE ODOR CONTROL VENT SCRUBBER
- SPECIFICATIONS



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TECHNICAL DRAWING



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	2050-1350-B	COMPLETE BOTTOM HOUSING
2	1	2050-1350-T	VENTING COVER
3	16	VRV-2050	VACUUM RELIEF VALVE
4	16	233-GASKET-3	VRV GASKET
5	27	OCl-2050-50	OCl MEDIA 50 LB
6	1	WS-DRAIN-ASSY	BOTTOM DRAIN
7	4	2500 ACFM	MIST ELIMINATOR PAD
8	7	AAU-200-G	PAD DOOR GASKET
9	84	1555-S	3/8-16 x 1.1" STUD
10	84	1556	3/8-16 HEAVY HEX NUT
11	7	2050-200-9	PAD DOOR
12	84	W38S-316	SEALING WASHER
13	4	SV-LATCH	COVER LATCH

DRAWN	shardy	2/17/2022	ROBERT H. WAGER CO., INC.	
CHECKED			TITLE	
QA			SEWER VENT, 10" ODOR CONTROL, 1350	
MFG			LBS MEDIA	
APPROVED			SIZE	DWG NO
			C	10-2050FAPC-IWS-1350
			SCALE	1 / 10
				SHEET 1 OF 1



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REPLACEMENT PARTS LIST

2050-1350-T	2050-1350 COVER
2050-1350-B-8	2050-1350 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 1350 on pad or stone, and bolt it down.
- Remove media from the unit.
- If the 1350 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 1350 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.



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



4. Secure the lid with the four lockable latches



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* 2050-450 PICTURED. MODEL 2050-1350 FOLLOWS THE SAME STEPS.

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TEST PROCEDURES

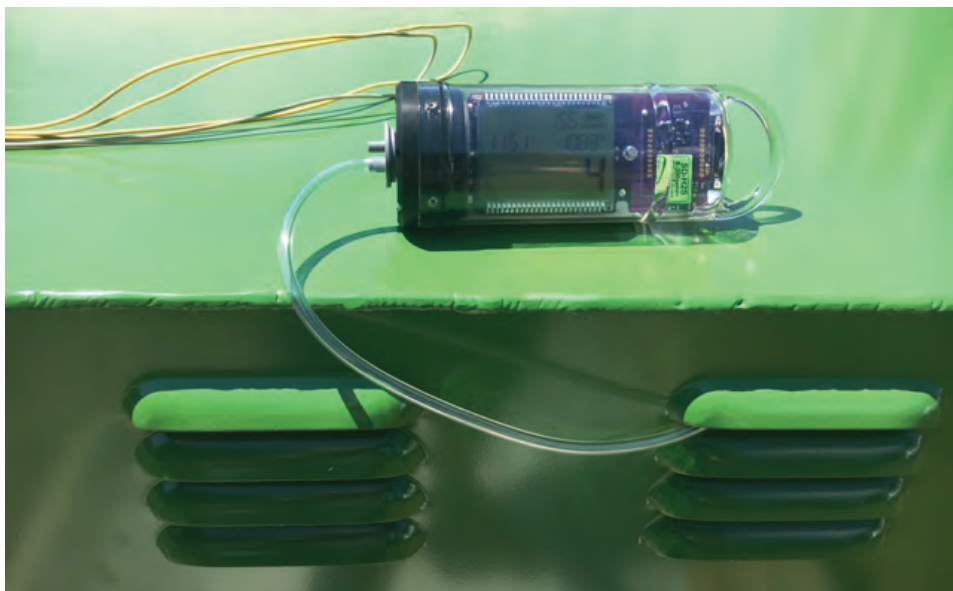


(Example of Side flange procedure.)



(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.



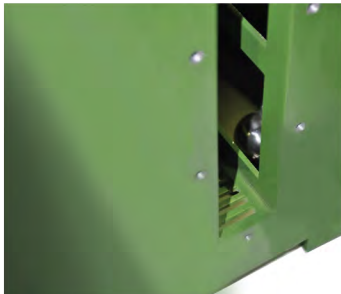
2. Inspect the media. Make sure it is dry. Shake or stir media pellets inside canisters every 3-6 months for maximum media life.



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 2050-1350 FOLLOW THE SAME STEPS.

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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