

2050-50

ODOR CONTROL SYSTEMS



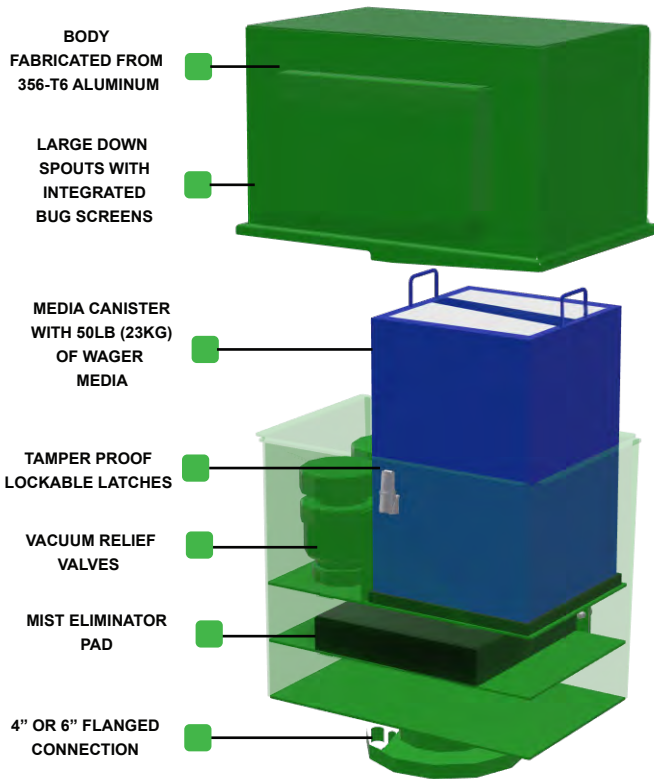
WAGER
C O M P A N Y

570 MONTROAL RD, RURAL HALL, NC 27045

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

2050-50

ODOR CONTROL SYSTEMS



The 2050 odor control sewer valve is an elongated vertical design to accommodate a deodorizing feature that helps to suppress sewer gas odors. Perfect for residential or commercial locations where complaints regarding odor have become an issue.

The 2050 is constructed from aluminum, and is epoxy coated grass green so that it fits nicely into the surrounding environment. H₂S gas is directed thru a canister containing 50 lbs (23kg, 1.5 cu.ft) of highly effective odor controlling media. The media is an engineered product, designed to chemically absorb the H₂S gas and change it to a non-toxic compound. Also included are two (2) vacuum relief valves. A mist eliminator is incorporated into the unit to prevent moisture from damaging the media bed.

The 2050 has been successfully used on gravity lines, forced mains, and air release valves. It's attractive appearance allows for installations in both residential and commercial sites. Every unit is equipped with tamper proof lockable latches



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2050-50

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

4-2050
FAPC-IWS

&

6-2050
FAPC-IWS

MEDIA CAPACITY
Est. 50 LBS. (23kg)

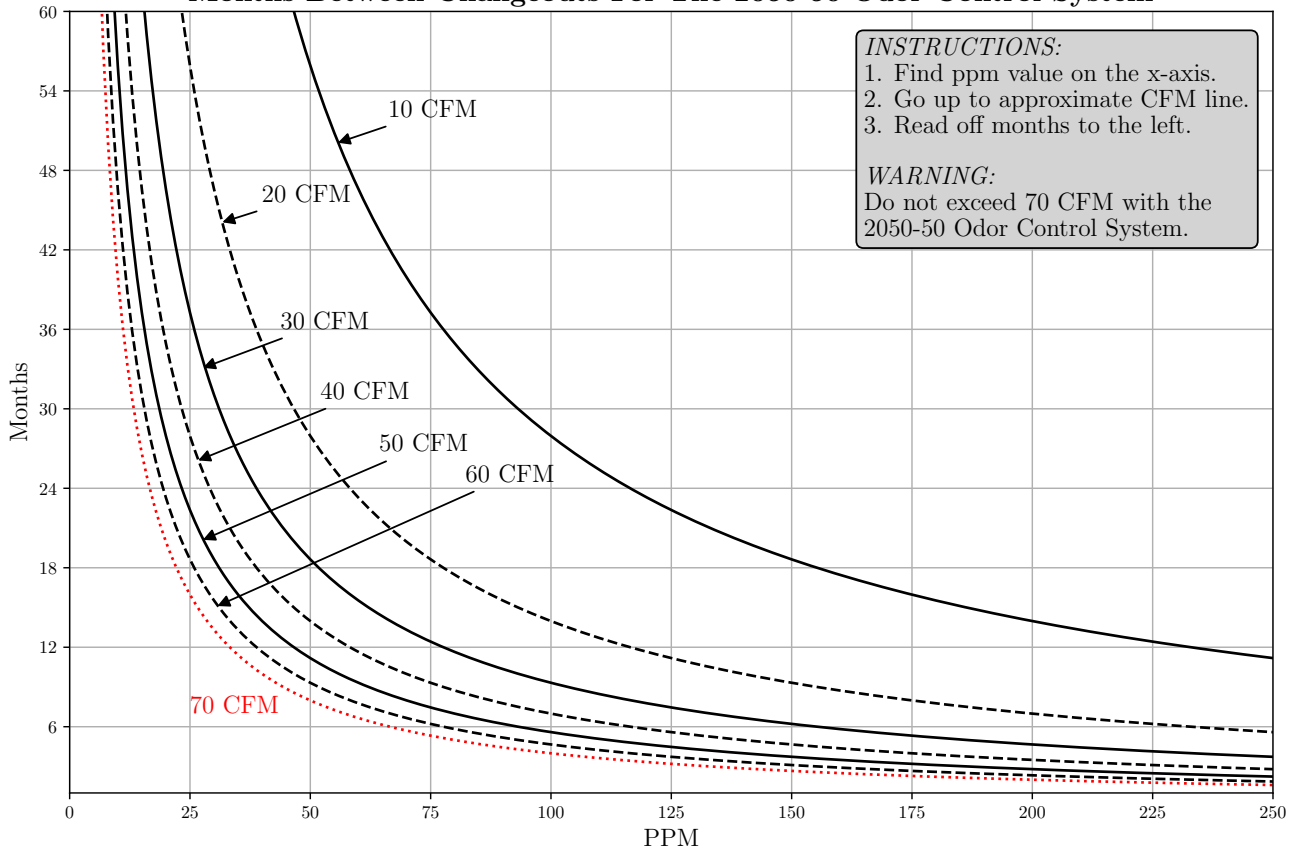
1
CANISTER

2
VACUUM BREAKERS

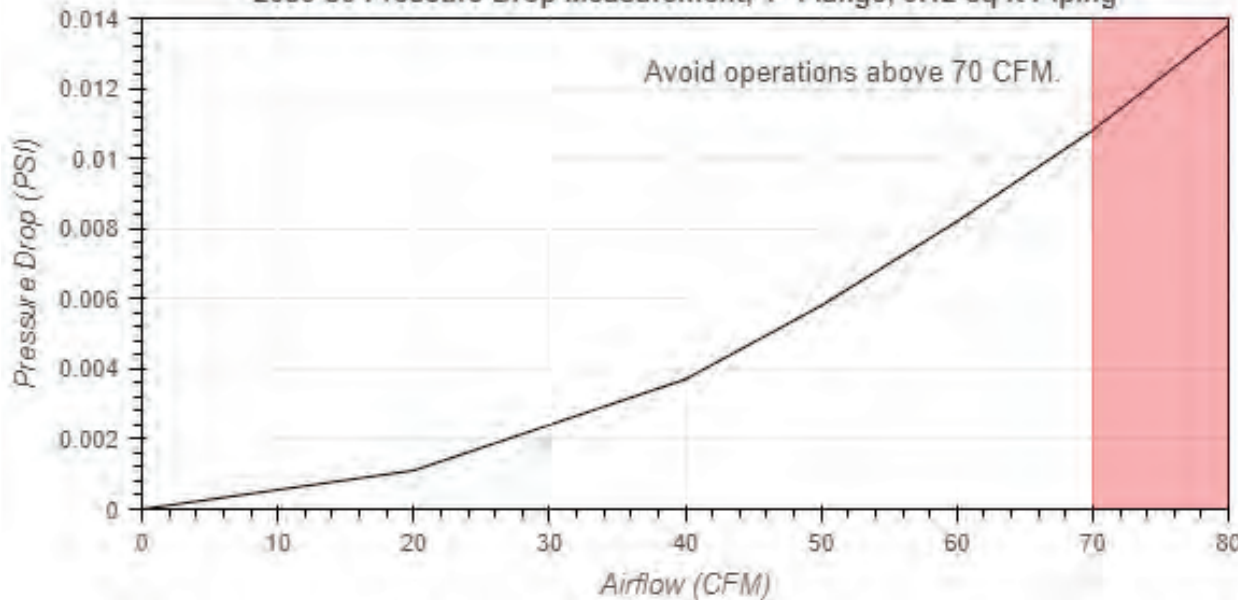
1
MIST PADS

EST CFM.
60-75

Months Between Changeouts For The 2050-50 Odor Control System



2050-50 Pressure Drop Measurement, 4" Flange, 0.12 sq ft Piping



NAGER
COMPANY

2050-50

SPECIFICATIONS

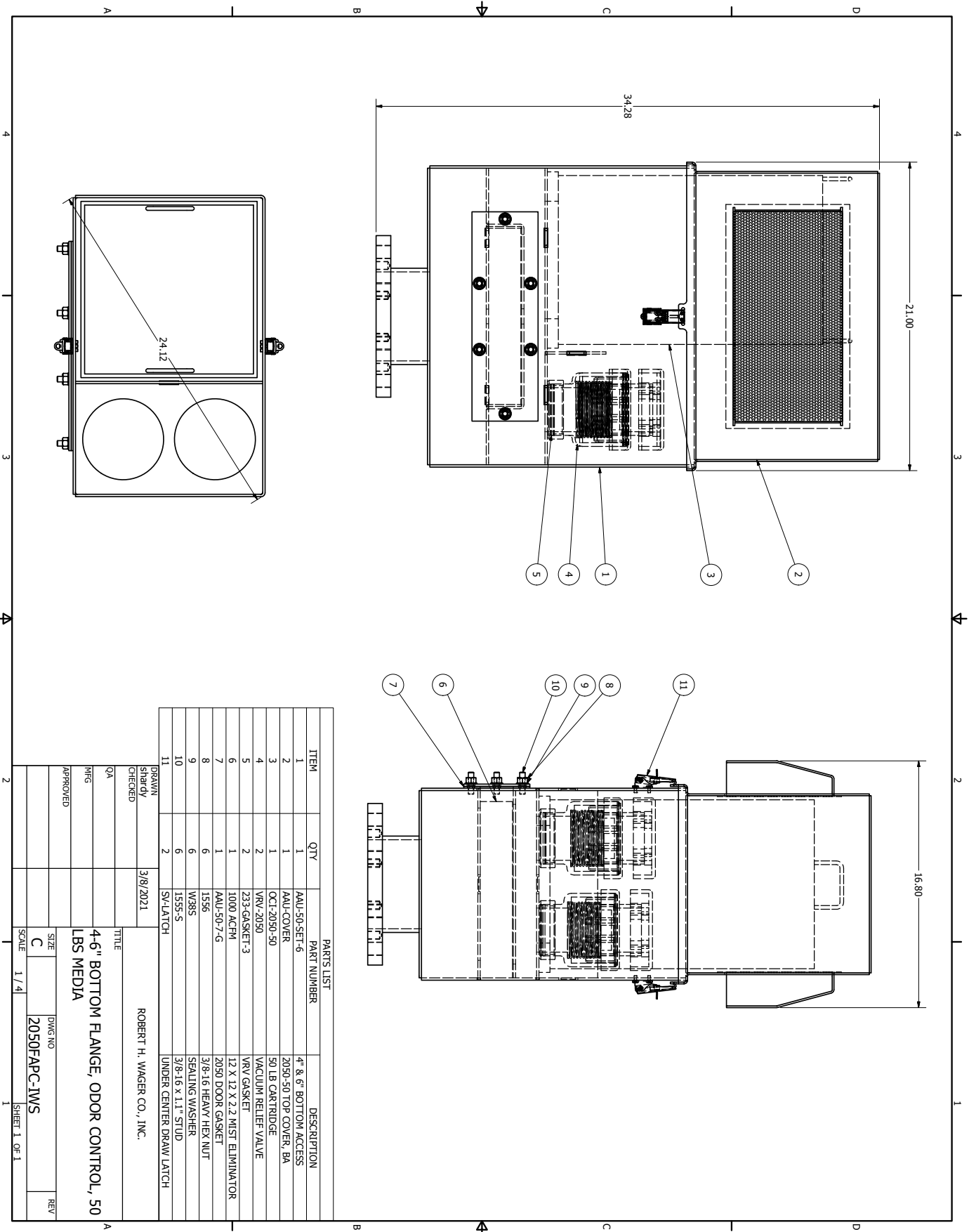
- A. This specification defines the requirements for a Wager 2050 Intake Vent Scrubber 4-2050FAPC-I manufactured by Wager Company in Rural Hall, NC. (Compliance with Build America, Buy America Act)
- B. The 4-2050FAPC-I consists of dry-scrubbing media contained in a fabricated aluminum plate housing, powder coated, grass green with a 4" or 6" inlet.
- C. The 4-2050FAPC shall contain 50 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 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. All components of the 4-2050FAPC-I shall include:
- 1 A fabricated aluminum plate body, powder coated grass green
 - 2 50 lbs of odor controlling media engineered in pellet form
 - 3 4" flanged connection – Optional metric flange
 - 4 Tamper proof lockable hook and security latches
 - 5 Disposable media corrugated plastic insert
- F. Vent Scrubber Material
1. Fabricated Aluminum plate
 2. Corrugated plastic canister measuring 11.5" x 18" "
 3. Latches in 316SS
 4. Hooks in 316SS
 5. 50 lbs of odor controlling media designed for removal of H₂S gas
 6. 4" 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.
- G. Media Specification
1. Moisture Content: 35% Max
 2. Crush Strength: 35%-70% Max
 3. Abrasion: 4.5% Max
 4. Pellet Diameter: 1/16" – H. Wager media only will be accepted due to the high level of capacity. No equals will be accepted. Carbon will not be accepted.
- I. Only UL certified media will be accepted in Wager's vent scrubber.
- J. If other media's are used in this unit, it must be designed to be 25% larger with a minimum of 25% additional media.
- K. The general contractor is responsible for all design cost changes, engineer review time, and testing verification.
- L 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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TECHNICAL DRAWING



2050-50

INSTALLATION GUIDE



1. Unlatch the lid and remove the lid from the body of the valve. The media canister is wrapped in plastic for delivery. Remove the wrapped media canister by lifting up on the handles provided on the media canister.



2. Ensure all of the original plastic wrap is removed from canister before reinstalling. Media is in pellet form and should move freely to allow air to vent through. To check the media, pull up on the blue tab on the media canister lid. Check that the media pellets are dry.



3. Reinstall media canisters ensuring they are flush with the valve's inner chamber.



4. Secure the lid with the four lockable latches. Place the unit slightly above the air release valve upon installation. This will allow excessive moisture to drain back into the ARV.

*** 2050-50 Side Access Shown**



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INSTALLATION INSTRUCTIONS

- Remove media from the unit.
- Connect the 2050 to corresponding flange and bolt together. .
- If the 2050-50 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.
- Ensure that any possible nearby source where H₂S gas can escape such as hatch doors are properly sealed.
- Unwrap the media canisters and place in the unit.
- Reinstall the cover, and lock down.



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REPLACEMENT PARTS LIST

AAU-50-SET-6	2050-50 BODY ASSEMBLY
AAU-COVER	2050-50 TOP COVER
VRV-2050	2050 VACUUM RELIEF VALVE
OCU-2050-50	50 LB. CARTRIDGE ODOR CONTROL MEDIA
FLNG-GASKET 6-4	6-4 FLANGE GASKET
SV- LATCH	UNDER CENTER DRAW LATCH
1000 ACFM	MIST ELIMINATOR PAD
WS-DRAIN-ASSY	WATER SEPARATOR VALVE
233-GASKET-3	GASKET 3.0" "1.0 x 3.5" O.D.



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MAINTENANCE GUIDE



1. Unbolt water separator access plate. Inspect bolts, washers, and gasket. Remove water separator pad.



2. Wash water separator pad with hose.



3. Reinstall water separator pad and bolt access plate back onto the body.



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



5. Secure the lid with the four lockable latches.



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TEST PROCEDURES

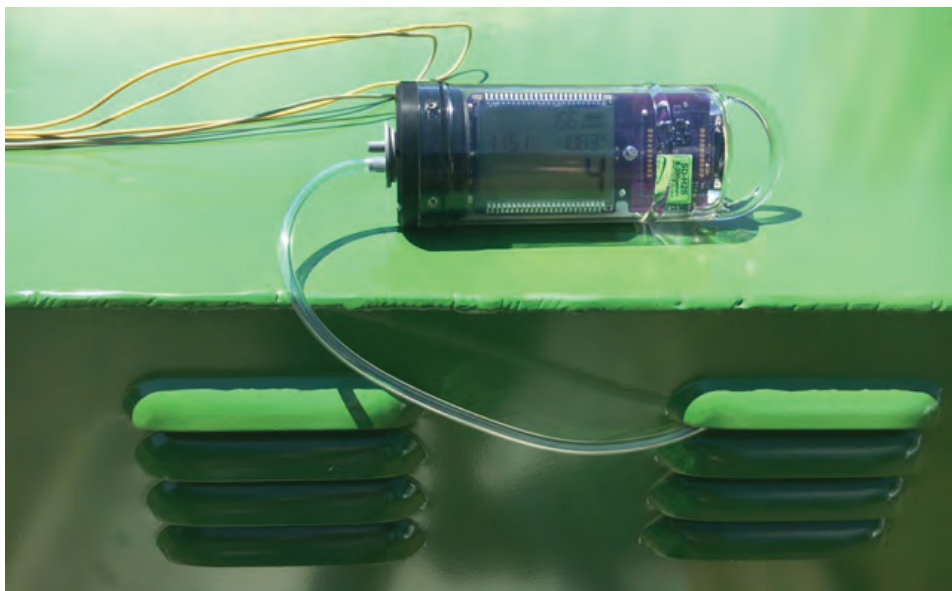


(Example of Side flange procedure.)



(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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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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