

# 2050-50-SA

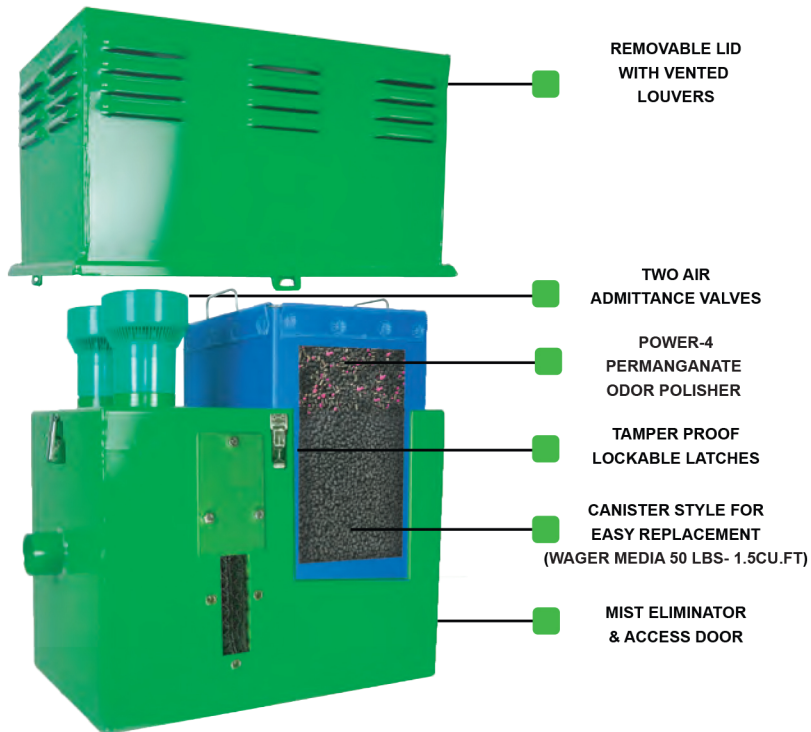
ODOR CONTROL SYSTEMS



570 MONTROAL RD, RURAL HALL, NC 27045  
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# 2050-50-SA

## ODOR CONTROL SYSTEMS



The 2050-SA is designed with a side access to allow for connection where a vent pipe is not available. It is constructed from aluminum, and is epoxy coated grass green.

This unit contains 50 LBS (23kg - 1.5 cu.ft ) of odor controlling media plus our custom Power-4 permanganate as a polisher.. It includes two fresh air intake valves, capable of allowing up to 300 CFM of fresh air per valve. This assures continued airflow during pumping sequences needed with air release valves. It is also necessary with a vacuum sewer system where outside fresh air is needed for system operation.

The 2050-SA 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.



### SPECIFICATIONS

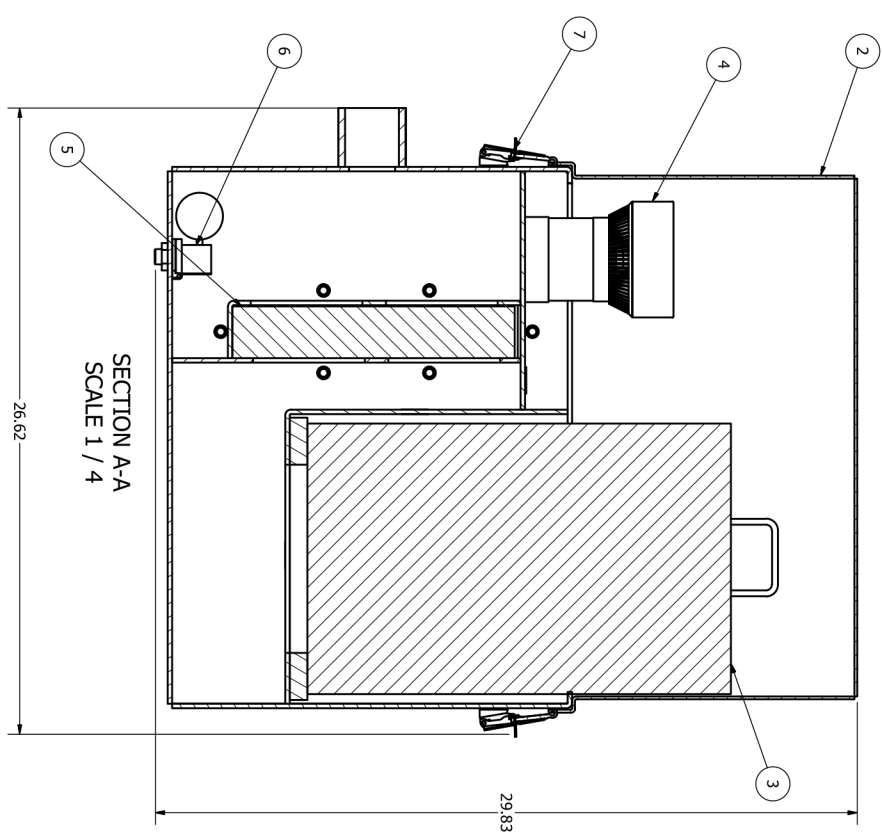
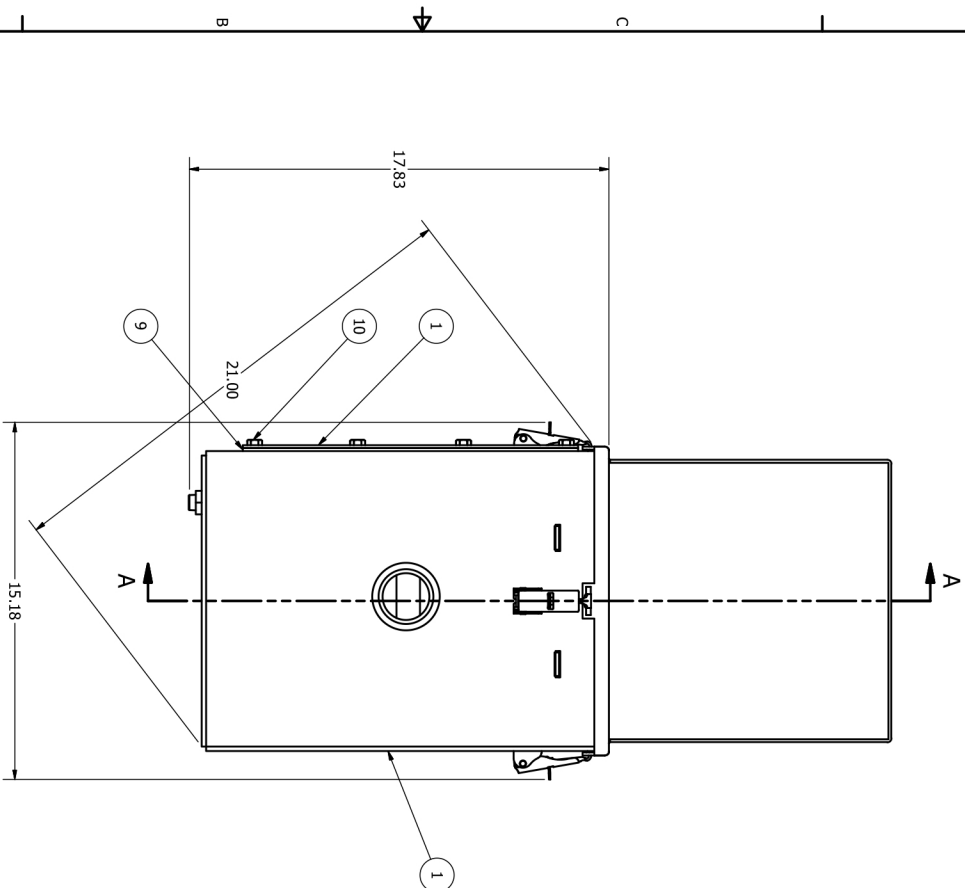
4-2050-SA-IWS	MEDIA CAPACITY Est. 50 LBS. (23kg)	1 CANISTER	2 INTAKE VALVES	1 MIST PADS	EST CFM. 60-75
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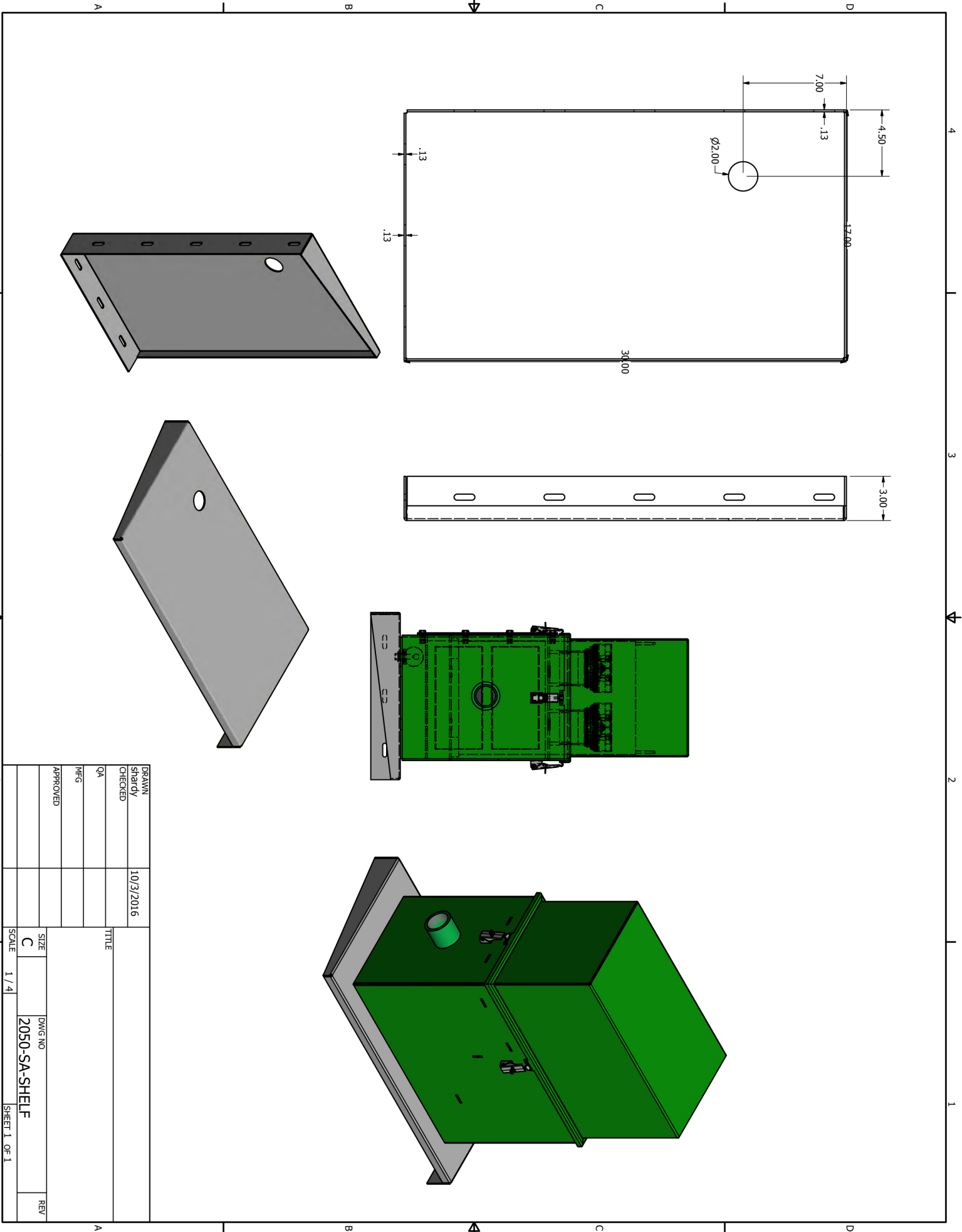
\*AVAILABLE IN 2" NPT CONNECTION ONLY



SECTION A-A  
SCALE 1 / 4

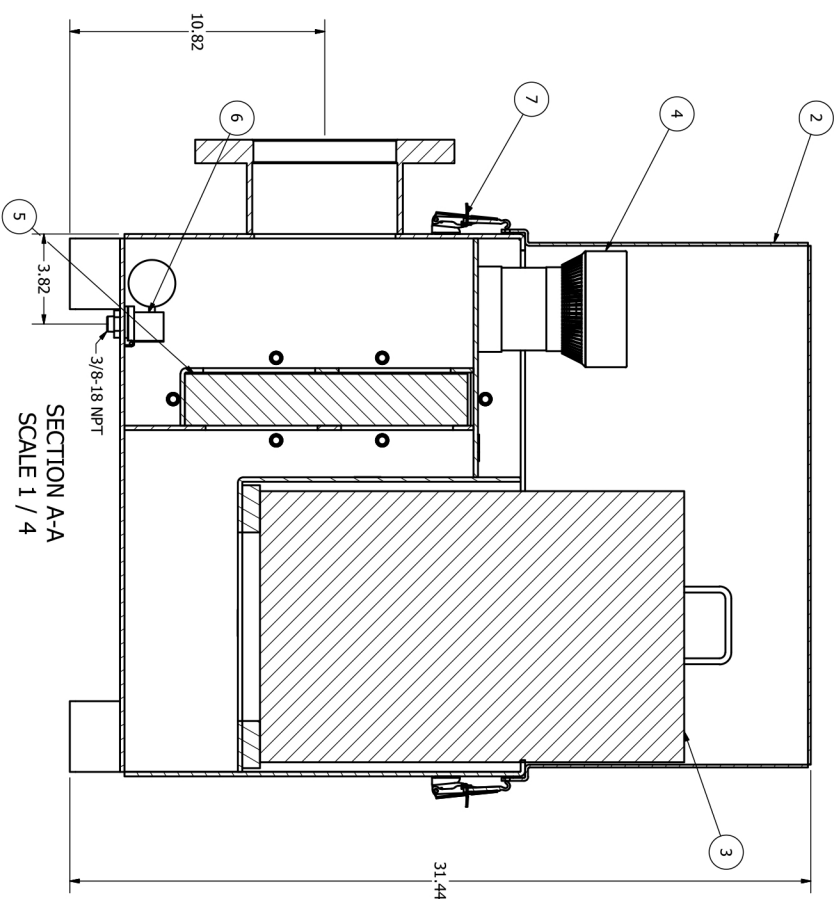
PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	2050-SA-SET
2	1	2050-SA-LID
3	1	PAEM-2050-50
4	2	3-VRV
5	1	1000 ACFM
6	1	WS-DRAIN-ASSY
7	4	SV-LATCH
8	1	2050-50-7
9	1	2050-50-7-G
10	6	BOLT-3/8-1

DRAWN shardy	8/12/2016	ROBERT H. WAGER CO., INC.	
CHECKED		TITLE	
QA		SIDE ACCESS SEWER VENT, ODOR	
MFG		CONTROL W/ INTAKE AND WATER	
APPROVED		SEPARATOR, 50 LBS. MEDIA	
SIZE		DWG NO	REV
C		2050-SA-IWS	
SCALE	1 / 4	SHEET 1 OF 1	



DRAWN	10/3/2016	TITLE	
CHECKED			
QA			
MFG			
APPROVED		DWG NO	
SCALE	1 / 4	2050-SA-SHELF	
		SHEET 1 OF 1	
		REV	





DRAWN		ROBERT H. WAGER CO., INC.			
SHAWN	8/12/2016				
CHECKED		TITLE			
QA		SIDE ACCESS ODOR CONTROL W/ INTAKE AND WATER SEPARATOR, 50 LBS. MEDIA			
MFG					
APPROVED					
	SIZE	DWG NO	REV		
	C	2050-SA-IWS			
	SCALE	1 / 4	SHEET 1 OF 1		
2			1		

# 2050-50-SA

## SPECIFICATIONS

- A. This specification defines the requirements for a Wager 2050-SA-IWS Vent Scrubber. Manufactured by Wager Company in Rural Hall, NC.
- B. The 2050-SA-IWS consists of dry-scrubbing media contained in a fabricated aluminum plate housing, powder coated, grass green with a 2" NPT female inlet.
- C. The 2050-SA-IWS shall contain 50 lbs of dry-scrubbing media that is engineered for the removal of H<sub>2</sub>S 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 2050-SA-IWS shall include:
- 1 A fabricated aluminum plate body, powder coated grass green
  - 2 50 lbs of odor controlling media engineered in pellet form
  - 3 2" NPT 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 ½" x 18"
  3. Latches in 316SS
  4. Hooks in 316SS
  5. 50 lbs of odor controlling media designed for removal of H<sub>2</sub>S gas
  6. 2" NPT– 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" – ¼" (1.5mm-6.5mm)
- 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.
- 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. 10" flanged threaded aluminum connection provided for attaching to the 2050-1350
  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 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. 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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# 2050-50-SA

## 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



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# 2050-50-SA

## REPLACEMENT PARTS LIST

AAU-SA-SET	2050-50-SA BODY
AAU-SA COVER	2050-50-SA COVER
VRV-2050	2050 VACUUM RELIEF VALVE
OCU-2050-50	50 LB. CARTRIDGE ODOR CONTROL MEDIA
233-GASKET-3	GASKET, 3.0 "I.D.x 3.5" O.D.
SV- LATCH	UNDER CENTER DRAW LATCH
1000 ACFM	MIST ELIMINATOR PAD
WS-DRAIN-ASSY	WATER SEPARATOR VALVE
AAU-50-7-G	2050 DOOR GASKET



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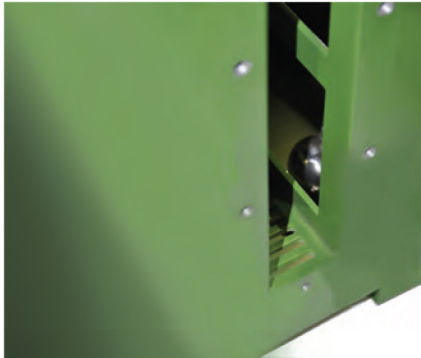
## MAINTENANCE GUIDE



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



2. Wash water separator pad with hose.



3. With the water separator pad out, Inspect float drain assembly. Remove any Debris and ensure drain is clean.



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



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



6. Secure the lid with the four lockable latches.



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# 2050-50-SA

## TEST PROCEDURES

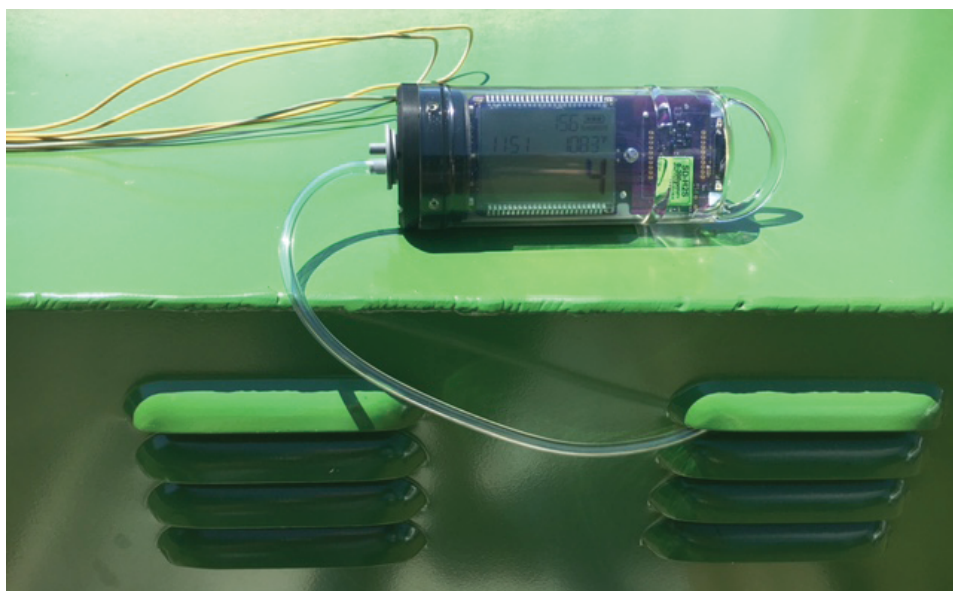


( Example of Side flange procedure.)



( 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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