

# 1800-1850

ODOR CONTROL SYSTEMS



570 MONTROAL RD, RURAL HALL, NC 27045  
(336) 969-6909 • 1-800-562-7024 (US) • [WWW.WAGERUSA.COM](http://WWW.WAGERUSA.COM)

# 1800 / 1850

## SPECIFICATIONS

- A. This specification defines the requirements for a Wager 1800 Vent Scrubber 4-1800FAPC ( inverted vent valve ), and optional rain shield for a vertical mount , manufactured by Wager Company in Rural Hall, NC.
- B. The 4-1800FAPC consists of dry-scrubbing media contained in a 356-T6 powder coated, grass green aluminum casting with a 4" (101.6mm ) inlet.
- C. The 4-1800FAPC shall contain 12 lbs of dry-scrubbing media that is engineered for the removal of H<sub>2</sub>S gas. The media is housed in a polycarbonate container that is 12" x 7.2" in diameter.
- D. The airflow shall be designed for passive applications. The configuration shall be arranged so that the contaminated air shall flow into the top inlet flange and be forced downwards through the media bed. Treated air shall discharge out the bottom of the unit through ventilated openings. 1850 OPTIONAL..Vertical Mount. Discharge from the bottom flange and air forced upward through the media bed and discharged through a 9.5" (101.6mm) dome.
- E. All components of the 4-1800FAPC shall include
1. 356-T6 aluminum casting, powder coated
  2. 12 lbs of odor controlling media engineered in pellet form
  3. 4" (101.6mm) flanged connection
  4. Tamper proof lockable hook and security latches
  5. Disposable media polycarbonate insert
  6. Rain Shield and vertical mounting kit – Model 1800-R- Optional
- F. Vent Scrubber Material
1. 356-T6 Aluminum casting
  2. Polycarbonate canister measuring 7.2 ( 183 mm ) diameter and 12" (305mm) in height
  3. Latches in 316SS
  4. Hooks in 316SS
  5. 12 lbs of odor controlling media designed for removal of H<sub>2</sub>S 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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# 1800 / 1850

## SPECIFICATIONS

- A. This specification defines the requirements for a Wager 1850 Vent Scrubber 4-1850FAPC ( inverted vent check, odor control valve ) manufactured by Wager Company in Rural Hall, NC.
- B. The 4-1850FAPC consists of dry-scrubbing media contained in a 356-T6 powder coated, grass green aluminum casting with a 4" or 6" inlet.
- C. The model 1850 shall contain 12 lbs of dry-scrubbing media that is engineered for the removal of H<sub>2</sub>S gas. The media is housed in a polycarbonate container that is 12" x 7.2" in diameter.
- D. The airflow shall be designed for passive applications. The configuration shall be arranged so that the contaminated air shall flow into the top inlet flange and be forced downwards through the media bed. Treated air shall discharge out the bottom of the unit through ventilated openings.
- E. All components of the 4-1850FAPC shall include
1. 356-T6 aluminum casting, powder coated
  2. 12 lbs of odor controlling media engineered in pellet form
  3. 4" (101.6mm) flanged connection
  4. Tamper proof lockable hook and security latches
  5. Disposable media polycarbonate insert
- F. Vent Scrubber Material
1. 356-T6 Aluminum casting
  2. Polycarbonate canister measuring 7.2 ( 183 mm ) diameter and 12" (305mm) in height
  3. Latches in 316SS
  4. Hooks in 316SS
  5. 12 lbs of odor controlling media designed for removal of H<sub>2</sub>S 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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## REPLACEMENT PARTS LIST

### 1800 SERIES

1804AFF	1800 BODY FLANGED ASSEMBLY
1804ABF	1800 BODY COVER CASING
OCI-1800	ODOR CONTROL INSERT- MEDIA 12LBS
SV- LATCH	UNDER CENTER DRAW LATCH
FLNG-GASKET 6-4	6-4 FLANGE GASKET
SV- HOOK	KEEPER HOOK STYLE
1804-G	O-RING GASKET
QCI-1800-G	O-RING OCI GASKET

### 1850 SERIES

1804AFF	1800 BODY FLANGED ASSEMBLY
1804ABF/ 1850-4F	1800 BODY COVER CASING/ FLOAT ATTACHMENT
OCI-1800	ODOR CONTROL INSERT- MEDIA 12LBS
SV- LATCH	UNDER CENTER DRAW LATCH
FLNG-GASKET 6-4	6-4 FLANGE GASKET
SV- HOOK	KEEPER HOOK STYLE
1804-G	O-RING GASKET
QCI-1800-G	O-RING OCI GASKET
SCRN-4-1/4SS	SCREEN 4"
SEAT- 3N-I	SEAT 3"
FLT-4P	FLOAT 4"

# 1800 / 1850

## INSTALLATION INSTRUCTIONS

- Unlatch cover from valve body.
- Remove the plastic cover wrapping off the media canister.
- Place the media canister into the open bottom housing of the unit.
- Return the cover housing to the unit, and lock in place.
- Bolt the unit to the vent pipe.
- Check for any potential air leaks in surrounding areas. We want to force bad air thru our unit.
- Secure leaks with heavy duty mats, or Duck Seal Putty.

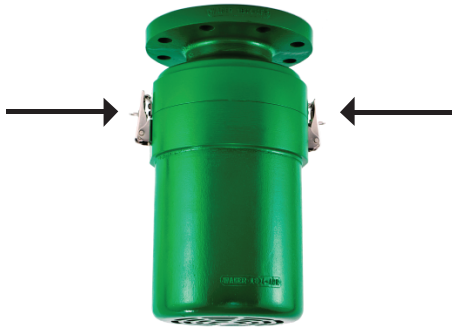


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## INSTALLATION GUIDE



1. Unlatch cover from valve body.



2. Remove plastic wrapping from media canister.



3. Secure media canister into the valve body. Attach valve cover to valve body secure it with lock latches. Locks not included.



4. Bolt unit to the vent pipe at the flange,



5. **\*\* ONLY MODEL 1800 \*\***.

If mounting vertically a rain shield must be attached.

### MAINTENANCE GUIDE:

Periodically check that there is no noticeable odors emitting from the unit. Remove Cover and inspect Media inside. Make sure Media is dry.



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