



eVOQUA
WATER TECHNOLOGIES



VENT-SCRUB® 200 ADSORBER FAN PACKAGES

VENT-SCRUB® 200TEFC, 200EXP

Applications

The Vent-Scrub® 200 Adsorber Fan Package combines the durability and reliability of the Vent-Scrub 200 adsorber with the convenience of an integrated fan and motor. The fan is mounted to the top lid of the adsorber, providing for a compact design. Applications for Vent-Scrub 200 Adsorber Fan Packages include:

- API separator vents
- VOC control from soil vapor extraction (SVE) systems and air strippers
- Wastewater and product storage tank vents
- Process vents
- Refinery and chemical plant wastewater sewer vents
- Laboratory hood exhausts

Installation, Startup and Operation

Evoqua can provide a total service package that includes tilizing OSHA trained personnel providing on-site carbon changeouts, packaging and transportation of spent carbon for recycling at our reactivation facilities, where the contaminants are thermally destroyed.

We provide instructions on sampling the spent carbon and completion of our spent carbon profile form. Spent carbon acceptance testing can be performed at our certified laboratory. When requested, a certificate of reactivation will be issued.

BENEFITS AND DESIGN FEATURES

Adsorber vessel

- Durable, carbon steel construction
- Ready to use system, simple installation and operation
- Applications to 100 scfm
- Adsorber is UN/DOT approved transportation container for RCRA hazardous spent carbon

Fan Package

- Fan mounted to top lid of adsorber
- Fan has cast aluminum housing
- Damper with screen cover provided for flow control
- Fan sized for 100 scfm @ 10.7" w.c.
- TEFC and Explosion Proof (EXP) motor options available
- 110V power supply for easy electrical connection. Complete with motor starter and 8' power cord

SPECIFICATION

Vent-Scrub® 200 Adsorber Fan Package

Dimensions, diameter x overall height (approx.)	25" x 52"
Inlet Connection	2" MPT
Outlet Connection (fan discharge)	5"
Internal Distribution ¹	PVC
Interior Coating	Epoxy
Exterior Coating	Enamel
Carbon Fill Volume (Cu.ft.)	6.8
Cross Sectional Area (sq.ft.)	2.8
Approx. Carbon Weight (lbs.)	200
System Operating Weight (lbs.)	330
Pressure, psig (max.)	3
Temperature, deg. F (max) ²	140
Fan Housing	Cast Aluminum
Fan Motor	3/4 HP, 3450 RPM, 1 PH, 60 Hz, 115/230 V
Fan Rating	100 scfm @ 10.7 in. w.c.

¹ Carbon steel and stainless steel internals are also available.

² For higher temperatures, stainless and carbon steel internals are available.

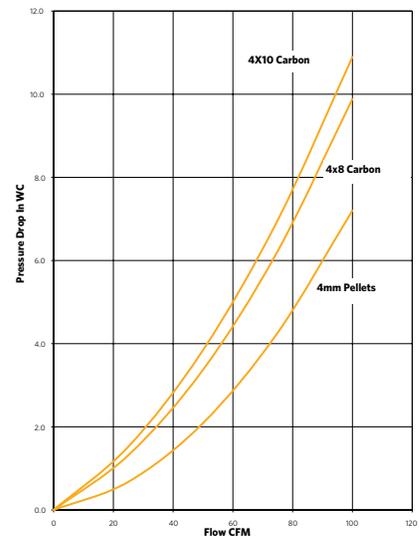
Warning

The adsorption of organic compounds onto activated carbon generates heat. In rare instances, adsorbed compounds may also react on the carbon surface to generate additional heat. If these heat sources are not properly dissipated, the carbon bed temperature may rise to the point where the carbon can ignite, leading to a fire or other hazardous condition. A description of industry-accepted engineering practices to assure the dissipation of heat and safe operation of the carbon bed can be provided upon request. In certain applications where the risk of ignition is significant, activated carbon may not be a recommended treatment technology. Please contact your Technical Sales Representative for more details.

Wet activated carbon readily adsorbs atmospheric oxygen. Dangerously low oxygen levels may exist in closed vessels or poorly ventilated storage areas. Workers should follow all applicable state and federal safety guidelines for entering oxygen depleted areas.

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Vent-Scrub® 200 Pressure Drop
4MM Pellets, 4X8, 4X10 Carbon, 70°F



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