

# Protect™ RO Series

## High Volume Vapor Adsorbers



### Description

The PROTECT™ RO Series is designed as a portable adsorber that can easily be put into service where high flow rates are expected.

With a media capacity of up to 18,000-lbs., the PROTECT™ RO Series can handle flow rates up to 10,000-cfm, are designed for a maximum pressure of 10-psi, and a maximum operating temperature of 150°F.

Model #	Standard GAC ft³/lbs	Maximum GAC ft³/lbs	Recommended Maximum Flow Rate	Estimated Empty Weight
RO-6	200/6,000	400/12,000	6,000-cfm	9,500-lbs.
RO-10	340/10,000	600/18,000	10,000-cfm	13,000-lbs.

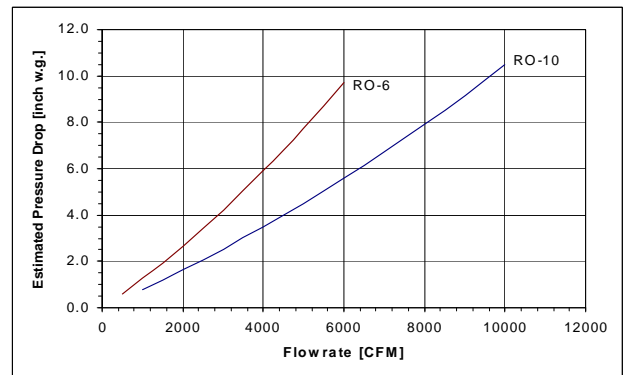
### Features:

- Durable carbon steel construction.
- Upper and lower open-air plenum area designed for maximum carbon utilization.
- Large 30" manway for easy access.
- Built-in ladder rungs.
- Can be shipped by flatbed or roll off truck without special requirements or permits.
- (4) ¾" threaded sample ports for optional Carbon Saturation Indicator.
- Lifting lugs.
- 18" inlet/outlet opening at each end for upflow or downflow operation.
- Condensate drain.
- Exterior protected with a rust-inhibitive epoxy urethane for a durable finish.
- Can be filled with any of Calgon Carbon's virgin or reactivated granular or extruded activated carbons.
- Shipped with carbon and ready for service.
- All models available for rent.

### Pressure Drop Curve

- Volume and weight based on vapor phase bituminous carbon at 30lbs/ft³.
- Estimated pressure drop based on virgin 4x10 carbon.
- Designs and specifications subject to change without notice.

*Warning: Some compounds and/or high concentrations can lead to heat buildup in granular activated carbon and potential bed fire. Contact Calgon Carbon for information.*



### Available Options

- Internal Lining
- Carbon Saturation Indicator
- Custom Linings
- Custom Colors
- Flanged Inlet/Outlet
- Higher Operating Pressures or Vacuum Rating
- Call for Your Custom Configuration

### Safety Message

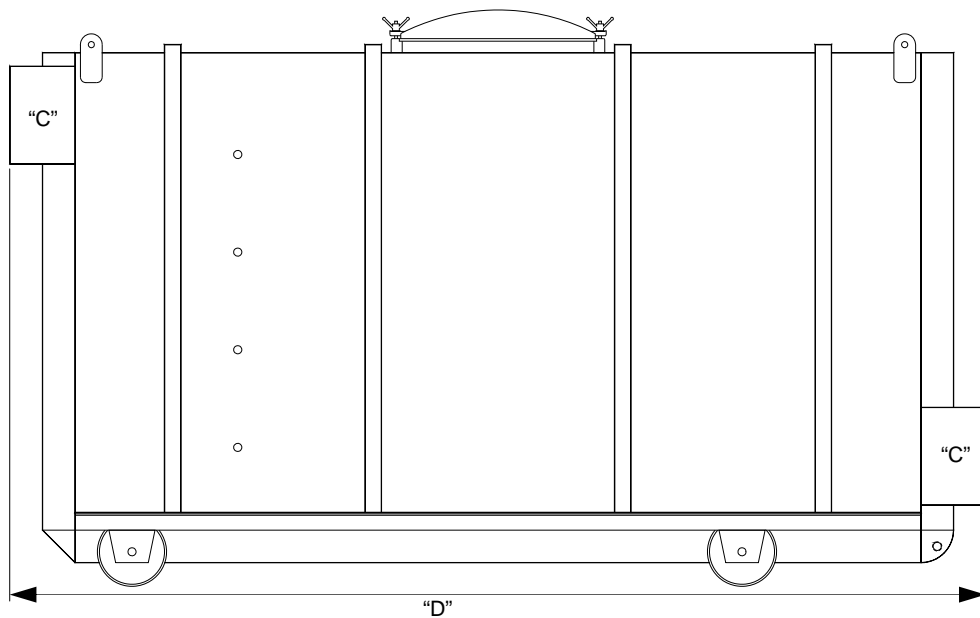
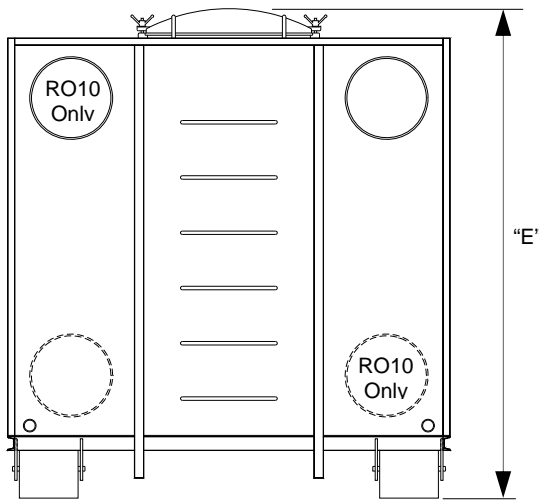
Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable Federal and State regulations.

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Model #	Cross Sectional Area	No of Inlet/Outlets	Inlet/Outlet "C"	Overall Length "D"	Overall Hgt. "E"	Overall Width
RO-6	100 ft <sup>2</sup>	1	18"	15'-0"	8'-10"±	8'-6"±
RO-10	150 ft <sup>2</sup>	2	20"	22'-0"	8'-10"±	8'-6"±



Calgon Carbon Corporation  
 P.O. Box 717  
 Pittsburgh, PA USA 15230-0717  
 1-800-422-7266  
 Tel: 1-412-787-6700  
 Fx: 1-412-787-6713

Making Water and Air Safer and Cleaner

Chemviron Carbon  
 European Operations of  
 Calgon Carbon Corporation  
 Zoning Industriel C de Feluy  
 B-7181 Feluy, Belgium  
 Tel: + 32 (0) 64 51 18 11  
 Fx: + 32 (0) 64 54 15 91

Calgon Carbon Asia PTE LTD  
 9 Temasek Boulevard  
 #08-01A Suntec Tower Two  
 Singapore 038989  
 Tel: + 65 6 221 3500  
 Fx: + 65 6 221 3554

Your local representative

