

PROTECT™ RO SERIES

High Volume Vapor Adsorbers

Description

The PROTECT RO Series are portable adsorbers 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.

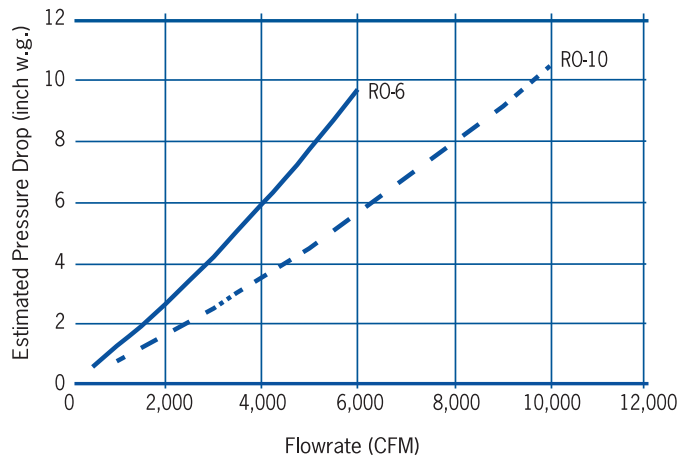
Model #	Standard GAC ft ³ /lbs	Maximum GAC ft ³ /lbs	Recommended Maximum Flow Rate	Estimated Empty Weight
RO-6	200/6,000	400/12,000	6,000 cfm	11,000 lbs
RO-10	340/10,000	600/18,000	10,000 cfm	14,000 lbs

Features

- Durable carbon steel construction.
- Upper and lower open-air plenum area designed for maximum carbon utilization.
- Large 36" manway for easy access.
- Built-in ladder rungs.
- Can be shipped empty by flatbed or with carbon on a roll off truck without special requirements or permits.
- (4) ¾" threaded sample ports.
- Lifting lugs.
- 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.
- Design pressure: 14" w.c.
- Design vacuum: 12" w.c.
- Design temperature: 150° maximum

Pressure Drop

- Estimated pressure drop based on GAC fill amount.
- Volume and weight based on vapor phase bituminous carbon at 30lbs/ft³.
- Estimated pressure drop based on virgin 4x10 carbon.



Available Options

- Internal Lining
- Carbon Saturation Indicator
- Flanged Inlet/Outlet

Higher Operating Pressures or Vacuum Rating

Note

Designs and specifications subject to change.

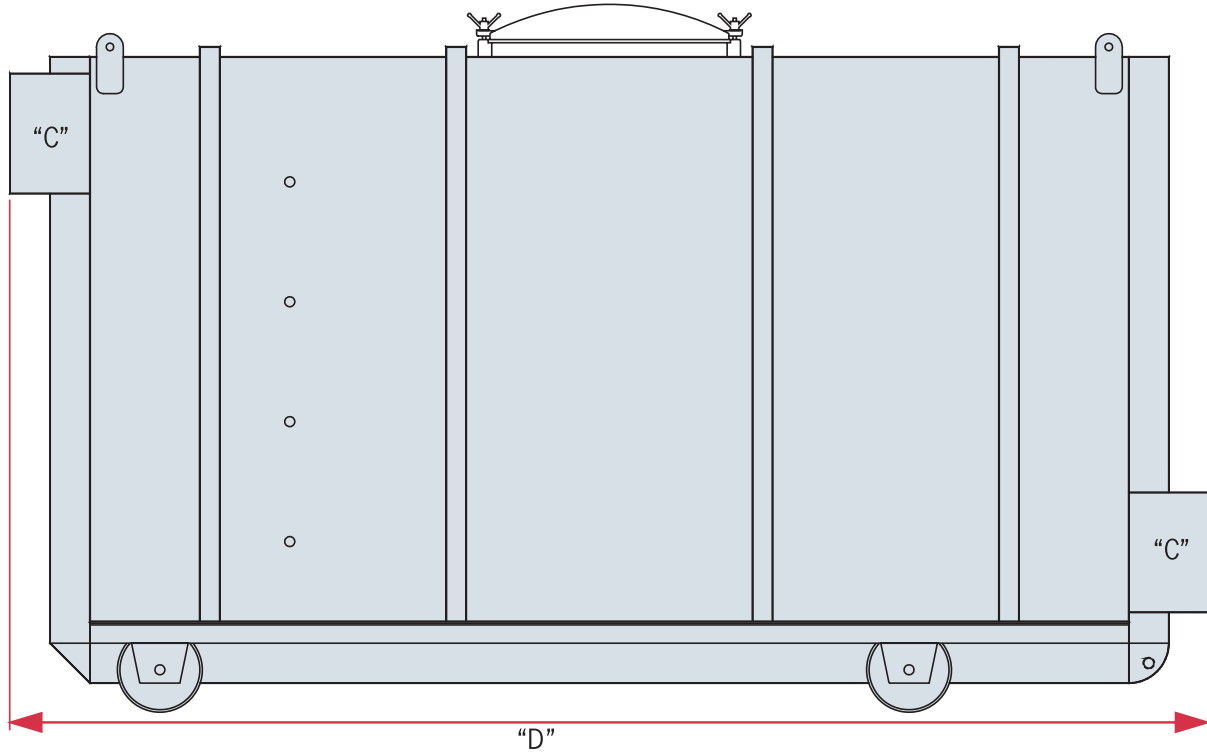
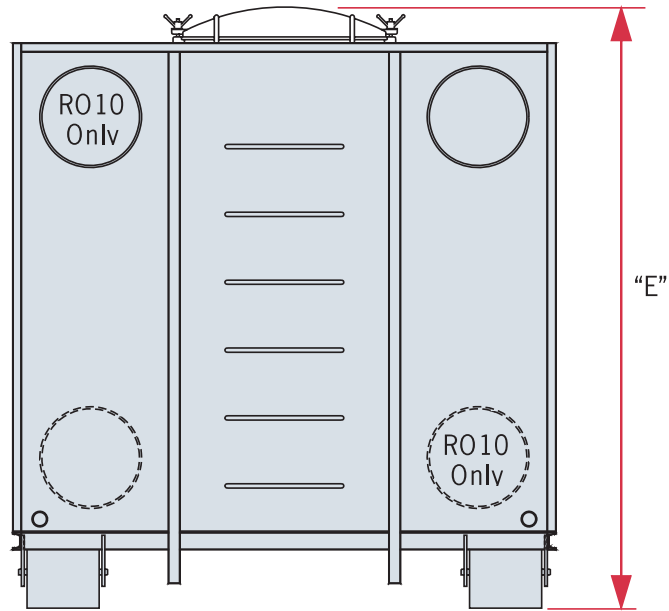
Warning

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

Safety Message

Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be followed.

Model #	Cross Sectional Area	No of Inlet/Outlets	Inlet/Outlet "C"	Overall Length "D"	Overall Hgt. "E"	Overall Width
RO-6	100 ft ²	1	18"	15'-0"	9'-0 1/2"±	8'-0"±
RO-10	150 ft ²	2	20"	22'-0"	9'-2 1/2"±	8'-0"±



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1.800.4CARBON calgoncarbon.com

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