



DATASHEET

R4K RADIAL CARBON ADSORBER

DESCRIPTION:

The R4K Radial unit is an ultra compact carbon vessel that is good for vapor flows up to 10,000 CFM. Unique radial design maximizes contact while minimizing pressure drop. Unit has Vapor Tech's proven safety features such as multiple temperature gauges as well as an internal liquid sparger system (which can also dispense nitrogen). Sample ports are located on inlet and outlet and the unit has a 2" drain to remove condensate. Easy-to-remove top lid makes carbon change-out quick and easy. There is no other radial unit like this available today.

SPECIFICATIONS

Unit Footprint	102" diameter
Unit Height	101"
Vapor Inlet Size & Type	18" Flange (150# bolt pattern)
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Typical Carbon Volume (granular carbon)	4000 lbs
Maximum Airflow	10,000 CFM
Maximum Pressure	2 PSI
Maximum Vacuum	1.5" Hg
Sample Ports	Inlet and Outlet
Unit Drain Valve	Yes
Liquid/Nitrogen Purge	Yes
Loaded/Empty Weight	8840/4840 lbs

SPECIAL FEATURES:

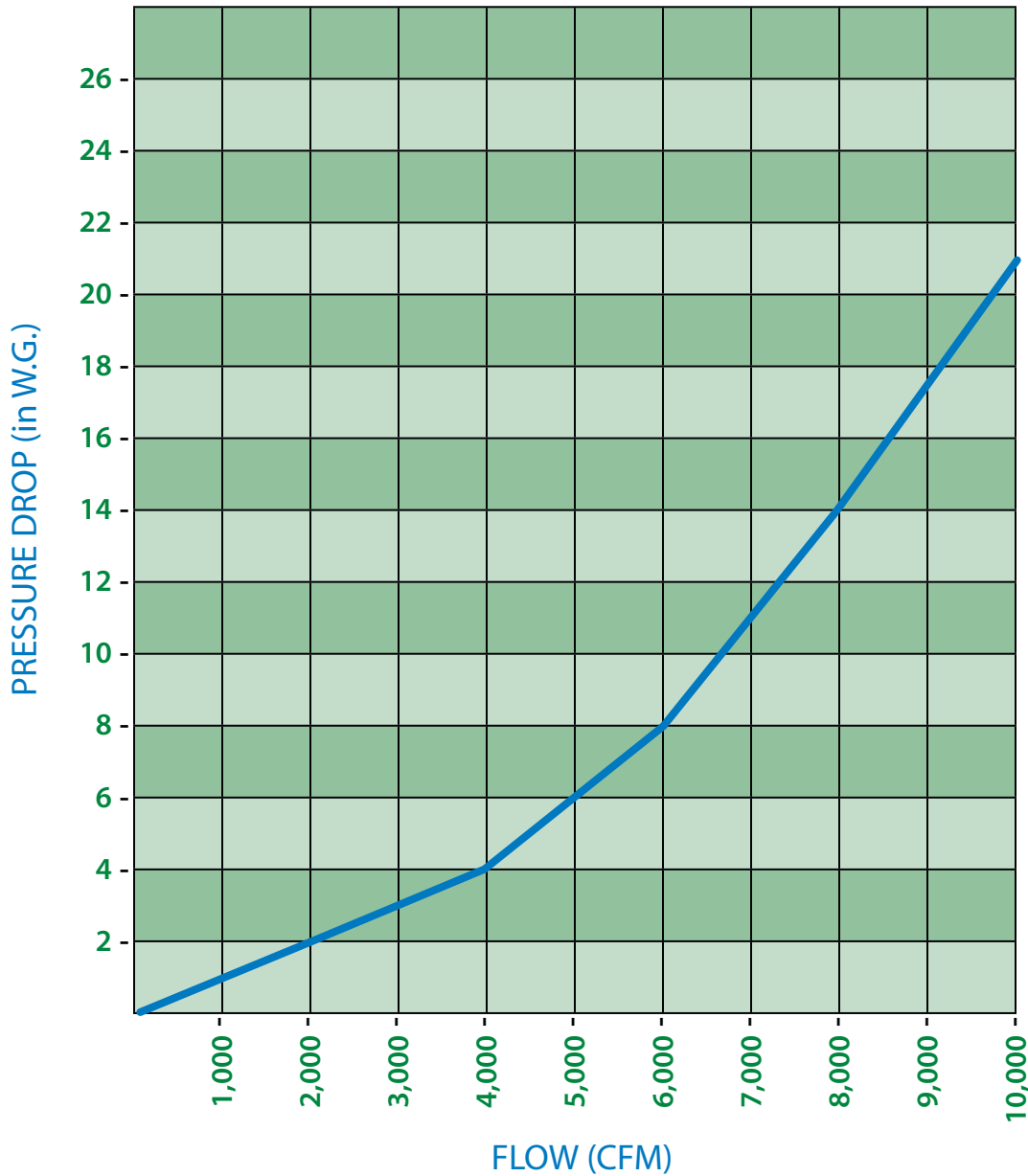
- Compact Design!
- Holds 4000 pounds of GAC (granular activated carbon).
- Internals made of stainless steel.
- Multiple temperature gauges.
- Easy to remove lid.
- Low pressure drop.
- May be used in a vacuum.
- Liquid/Nitrogen purge system included to help avoid thermal events.
- Available for purchase or rental.

APPLICATIONS

- Tank Cleaning Vapor Control
 - Process Emissions
 - Degassing Operations
- Large Room Decontamination



PRESSURE DROP GRAPH



Note: Pressure drop readings were recorded using 4MM pellet carbon media in vessel.

