

Cameron Carbon

INCORPORATED

Activated Carbon
& Related Technology

P.O. Box 995 Havre de Grace MD 21078 USA
Toll Free: (800) 394-6844
Tel: +1 (410) 942-0240 • Fax: +1 (410) 942-0242
www.cameroncarbon.com • sales@cameroncarbon.com

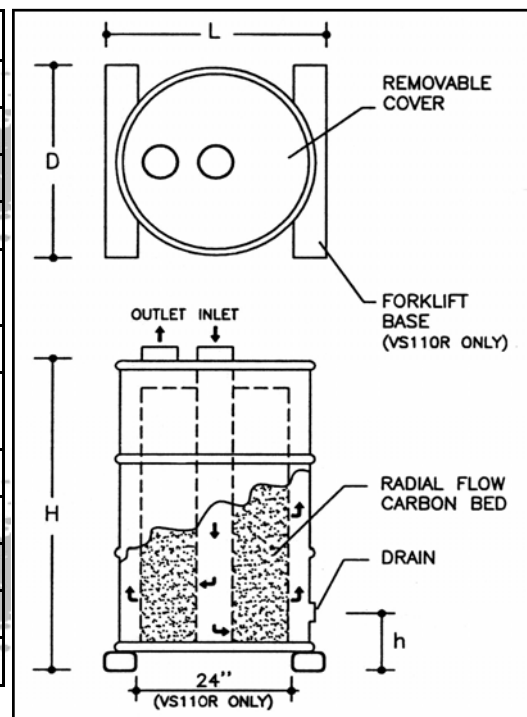
Vapor Phase Radial Flow Units VC55-165R VC85-270R VC110-400R VC110-300R

Cameron Radial Flow units are designed for effective purification of vapor waste or process streams. The shallow depth carbon bed in this radial design allows processing of high air flows at low pressure drop. Units are constructed of heavy-duty mild steel and lined with double-layered epoxy coatings. Forklift base is provided on the VC110-300R model only (base tubes can be "clipped" for trailer mounting as a price option). Adsorbent internals consist of an inlet distributor tube/retention screens and outer screen with spacers to the vessel shell.

Untreated vapors enter the inlet distributor tube and proceed horizontally through the carbon bed and outer screen to the free air space inside the vessel wall. The purified air then travels to the upper collection area and exits through the outlet port. When the units become exhausted they can be conveniently serviced on site by removing the vessel top head. Spent carbon is then easily removed from the units either by hand or vacuum. Alternatively, the exhausted units can be shipped off site for reactivation service or disposal.

Model VC	55-165R	85-270R	110-400R	110-300R
H - height (in)	30	36	46	46
D - diameter (in)	19	24	32	32
L - length (in)	na	na	36	36
h - height (in)	4.3	6	10	10
Inlet & Outlet Duct Connection (in dia.)	4	4	4	6
Flow Range (cfm)*	100-300	120-360	167-500	200-600
Pressure Drop (in w.g.)	1.2-6.0	1.1-5.6	1.2-6.0	1.0-5.0
Max Pressure (psig)	8	8	8	8
Max Temp (F)	125	125	125	125
Carbon Weight (lb)	165	270	400	300
Volume (ft ³)	5.5	9.0	16.67	10.0
Shipping Weight (lb)	220	340	740	540

* Based on face velocity 33 - 100 fpm/ft² bed area. System design may be dictated by chemistry & residence time



This information has been gathered from standard reference materials and/or test procedures and is believed to be true and accurate. It is offered solely for your consideration and verification. None of the information presented shall be construed as constituting a warranty or representation, expressed, written, or implied, for which we assume legal responsibility or that the information or goods described is fit for any particular use either alone or in combination with other goods or processes, or that its use does not conflict with existing patent rights. No license is granted to infringe on any patent rights or practice any patent inversion.