Cameron Carbon INCORPORATED

Activated Carbon & Related Technology

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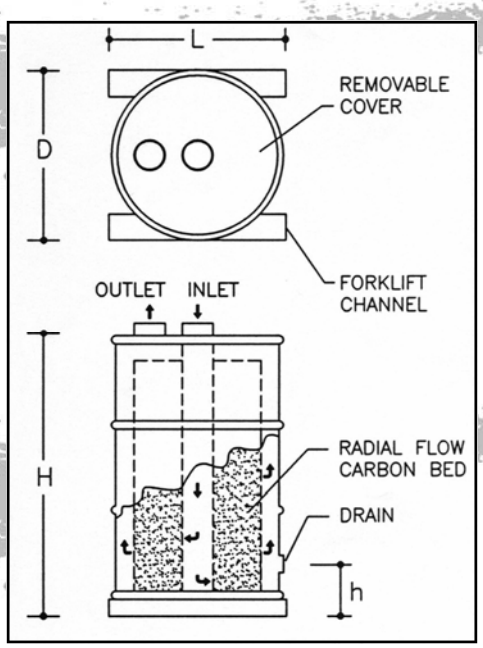
Vapor Phase Radial Flow Units
VC500-1500R VC1000-4500R VC1600-3000R

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 have internal epoxy paint and exterior enamel paint. A steel base is provided for ease of handling using a forklift or pallet truck. Adsorber internals consist of a painted steel inlet distributor tube with galvanized steel retention screen and outer galvanized steel screen with PVC 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	500-1500R	1000-4500R	1600-3000R
H - height (in)	47	77	77
D - diameter (in)	38	49	49
L - length (in)	40	50	50
h - height (in)	7	7	7
Inlet & Outlet Duct Connection (in dia.)	10	12	12
Flow Range (cfm)*	500-1,500	1,500-4,500	1,000-3,000
Pressure Drop (in w.g.)	1.0 - 5.0	2.0 - 8.0	1.8 - 8.0
Max Pressure (psig)	6	6	6
Max Temp (F)	125	125	125
Carbon Weight (lb)	500	1,000	1,600
Volume (ft^3)	17.5	35	56
Shipping Weight (lb)	850	1,650	2,150



* Based on face velocity 33 - 100 fpm/ft^2 bed area. System design may be dictated by chemistry & residence time