



Enviro-Equipment Inc.
10120 Industrial Drive
Pineville NC 28134
www.enviroequipment.com

STOCK #1805

Carbonair 2,000lb Vapor Phase Carbon Vessel
Model GPC20R
2000 CFM MAX
Approx 2,000 Pound GAC Capacity
6" Flanged Inlet / Outlet
False Bottom Design





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Products For Sale: Vapor Phase Carbon Vessels



Carbonair’s GPC Series vapor phase carbon vessels are designed to provide an efficient and economical means to reduce VOC concentrations, corrosive gases, toxic vapors, and to control odor. Carbonair’s GPC Series Vapor Phase Carbon Vessels can be filled with several types of granular activated carbons and other specialty media for a variety of applications.

Carbonair’s GPC Series vapor phase carbon vessels are constructed of high quality steel and treated with corrosion resistant paint inside and out. The GPC Series is designed to provide the most efficient use of the granular activated carbon in the bed and to provide the lowest pressure drop possible in order to minimize back pressure on blowers and other equipment. Some vessels use slotted plastic pipe to distribute the air flow across the carbon bed. This tends to create excessive back pressure and can cause channeling of the carbon bed, causing the waste of some of the carbon in the bed and premature breakthrough. Carbonair GPC vessels employ a carbon bed supported on a screened grate above a plenum. The air stream enters the vessel through the plenum where it is evenly distributed across the entire cross section of the carbon bed, providing the lowest pressure drop and most efficient use of the carbon. [Click here](#) for specifications for our [GPC Drum Series](#), [GPC Round Series](#), and [GPC Series](#) of vapor phase carbon filters.



Vapor Phase Carbon Vessel Specifications; <1000 cfm

Model	GPC 3	GPC 3H	GPC 5R	GPC 7R	GPC 13R
Dimensions	24.5" OD x 36.5" H	24.5" OD x 36.5" H	30" OD x 5'7" H	3'2" OD x 7' H	4' OD x 7' H
Bed Area (Square Feet)	2.7	2.7	4.91	7.07	12.57<
Nominal Flow Rate (cfm)	100	270	400	500	800
Carbon Capacity (pounds)	200	180	500	1,000	1,500
Fittings	2" NPT	4" NPT	4-1/2" nozzle	6-5/8" nozzle	8-5/8" nozzle
Empty Weight (pounds)	65	65	550	790	1,090
Operating Weight (pounds)	265	265	1,050	1,790	2,590<

Vapor Phase Carbon Vessel Specifications; >1000 cfm

Model	GPC 20R	GPC 28R	GPC 50R	GPC 70	GPC 120

Dimensions	5' OD x 7' H	6' OD x 7'3" H	8' OD x 7' H	16' L x 5' W x 8'6" H	16'6" L x 8' W x 8'6" H
Bed Area (Square Feet)	19.63	28.30	50.27	69.80	120.00
Nominal Flow Rate (cfm)	2,000	2,500	4,000	7,000	12,000
Carbon Capacity (pounds)	2,000	3,000	5,000	10,000	13,500
Fittings	8-5/8" nozzle	8-5/8" nozzle	12-3/4" nozzle	12-3/4" nozzle	12-3/4" nozzle
Empty Weight (pounds)	1,425	1,795	3,970	5,850	9,250
Operating Weight (pounds)	3,425	4,795	8,970	15,850	22,750

Applications

We offer full service application support, from equipment sizing, carbon usage modeling, activated carbon analysis, on-site carbon change-out, filter exchange and spent carbon recycling. Typical applications include:

- VOC control from SVE systems and air strippers
- NESHAPS emissions control
- Wastewater, product storage tank and similar vents
- Odor and H2S control

Standard Features

- Galvanized steel drum (GPC 3, 3H)
- Two 4" PVC connections (GPC 3, 3H)
- Baked enamel exterior (GPC 3, 3H)
- PVC internals (GPC 3, 3H)
- Welded steel construction.
- Forkliftable tubes
- Epoxy coated interior & exterior
- One condensation drain
- FRP grate with screen
- Nozzle connections

Optional Components

- Blowers Humidity control
- Influent/effluent ducting
- Discharge stack
- Additional sampling ports and valves
- Vapor monitors

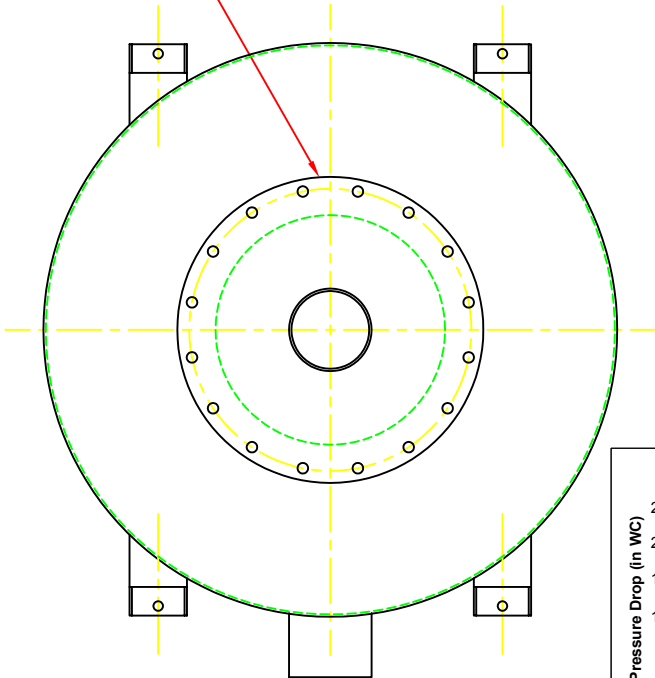
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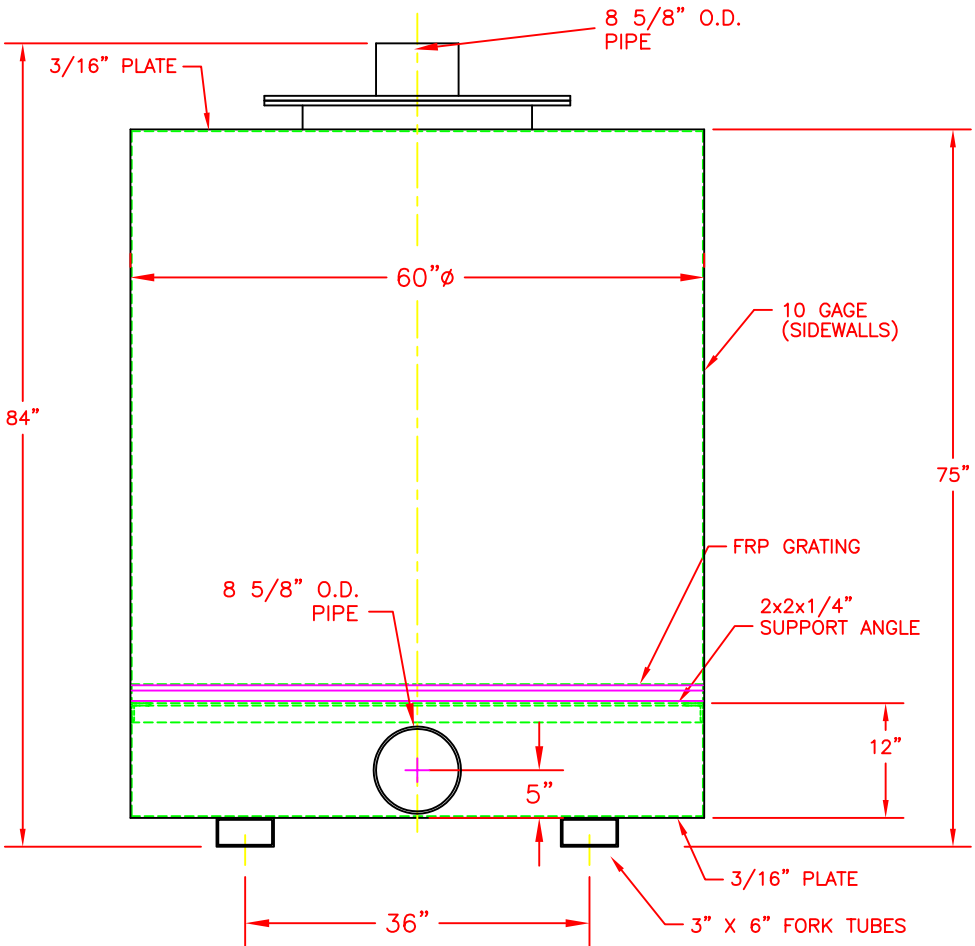
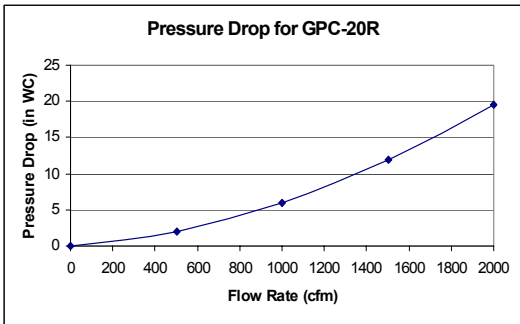
Request A Quote

Carbon Adsorber – Vapor Phase
GPC-20R

24"Ø FLANGE PATTERN
29 1/2" B.C.,
16 HOLES, 5/16" DIA.,
SPLIT CENTER SPACING



PLAN VIEW



ELEVATION

Sales Drawing #156000

03/22/05

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