

## VPC Series Low Pressure Air-Phase Carbon Vessels



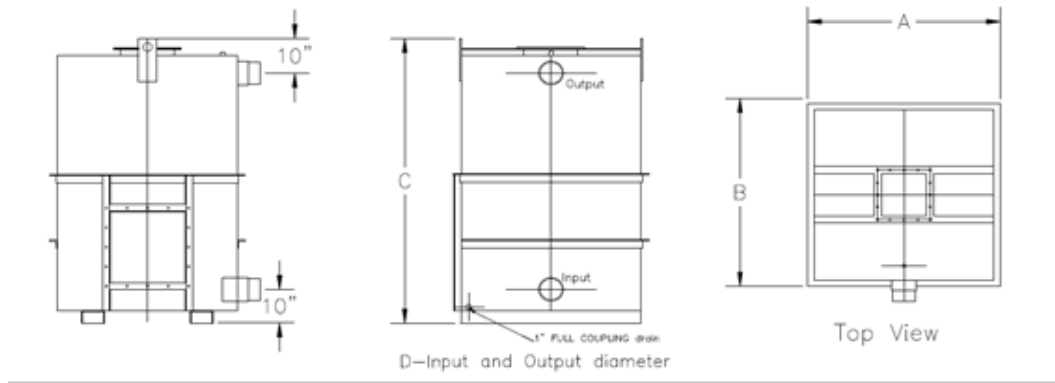
### DESCRIPTION:

Continental Carbon Group's VPC Series Air-Phase carbon vessels are designed for the removal of contaminants from air streams. The vessels are filled with activated carbon or other suitable media for the application. The internal manifold can be removed easily if replacement is required. All vessels are supplied with flanged inlet and outlet connections, as well as top and side access ports for carbon installation and removal. The vessels are constructed of carbon steel as standard, with structurally reinforcing angles to prevent bowing. Various sizes are available and customized vessels can be made to fit specific design criteria.

### STANDARD FEATURES:

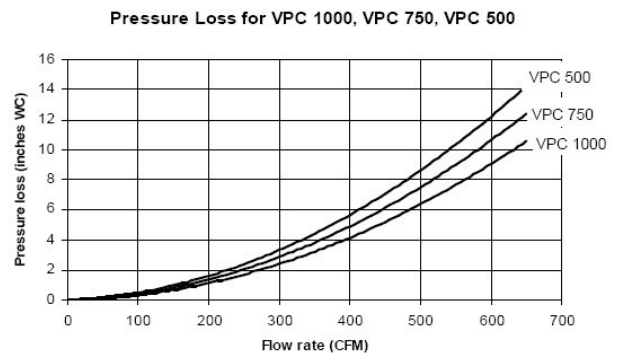
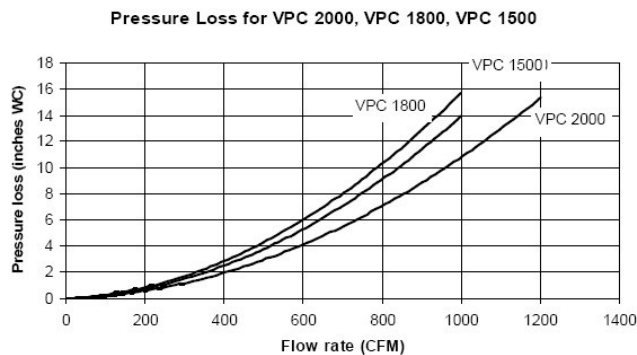
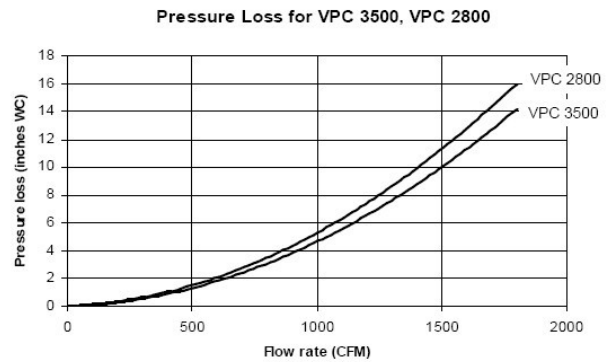
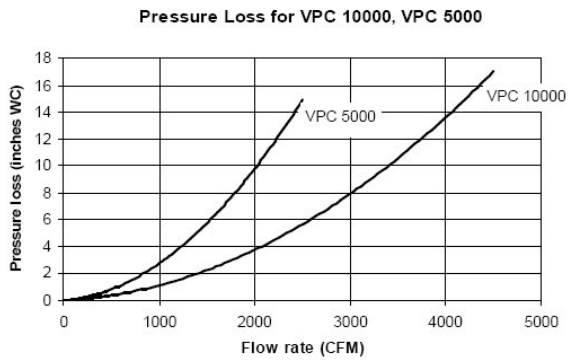
- Max. flow rate: 70 fps
- Min. flow rate: 20 fps
- Max. temperature: 250 °F (limited by epoxy coating temperature range)
- Carbon mass specifications based on carbon density: 27 lb/ft<sup>3</sup>
- Flanged inlet/outlet
- Stainless steel air manifold
- Exterior coated with corrosion-resistant epoxy urethane over zinc primer
- Epoxy-coated interior resistant to corrosion
- Pressure tested to 1 psi
- ½" FNPT pressure gage port mounted on top of vessel
- 12" x 12" top access for carbon filling
- 20" x 20" side access for carbon recovery and inspecting internals

**DIMENSIONS AND SPECIFICATIONS:**



Model number	A	B	C	D	Maximum flow (cfm)	Minimum flow (cfm)	Carbon mass (lbs)	Bed depth	Bed area (ft <sup>2</sup> )	Effective volume (ft <sup>3</sup> )	Shipping weight (lbs)
VPC 500	3'	3'	3' 8"	4"	630	180	500	2' 3"	9	20.25	780
VPC 750	3'	3'	5' 8"	4"	630	180	750	3' 3"	9	29.25	1050
VPC 1000	3'	3'	6' 8"	6"	630	180	1000	4' 3"	9	38.25	1600
VPC 1500	4'	3' 6"	6' 8"	6"	980	280	1500	4' 3"	14	59.5	2200
VPC 1800	4'	4'	6' 8"	6"	1120	320	1800	4' 3"	16	68	2700
VPC 2000	4'	3' 6"	7' 8"	6"	980	280	2000	5' 3"	14	73.5	3000
VPC 2800	5'	5'	6' 8"	6"	1750	500	2800	4' 3"	25	106.25	4000
VPC 3500	5'	5'	7' 8"	6"	1750	500	3500	5' 3"	25	131.25	5000
VPC 5000	6'	6'	7' 8"	8"	2520	720	5000	5' 3"	36	189	7300
VPC 10000	8'	8'	8' 8"	10"	4480	1280	10000	6' 3"	64	400	12900

**PRESSURE LOSS GRAPHS:**



**For More Information:**

Continental Carbon Group

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