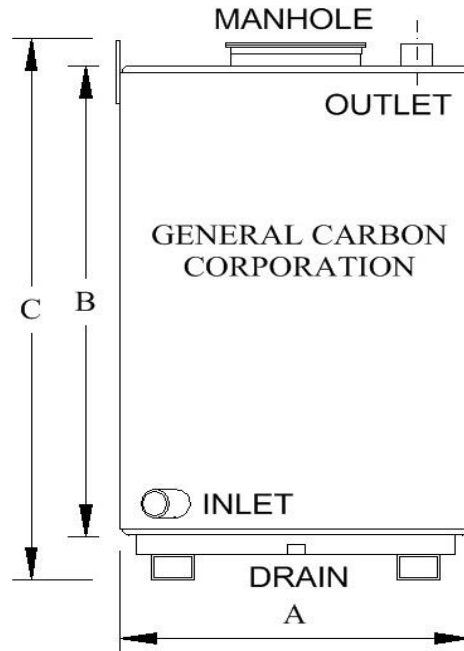




## **TV-ADSORBERS**

vapor phase 1000, 2000, 3000

**THE TRANSPORTABLE VAPOR PHASE** adsorbers are fabricated from mild steel and are tested to DOT shipping standards. All units have two-part epoxy coatings on the inside and industrial enamel on the outside to give a long service life. Inlet/outlet fittings are connected to PVC internals for corrosion resistance. The units have 4-way forklift access, a screened drain and 16-inch top manhole. GC C-40 pelletized virgin, bituminous coal base carbon is standard. Other virgin coal, coconut shell, reactivated or impregnated carbons are available.



	<b><u>TV 500</u></b>	<b><u>TV 1000</u></b>	<b><u>TV 2000</u></b>	<b><u>TV 3000</u></b>	<b><u>TV 5000</u></b>	<b><u>TV 10000</u></b>
Height	5'3"	6'5"	7'7"	7'10"	9'	9'4"
Diameter	30"	36"	48"	60"	72"	96"
Lbs of Carbon	500	1000	2000	3000	5000	10000
CFM	50 - 300	70 - 420	125 - 750	200 - 1200	280 - 1680	500 - 3000
PSIG	10	10	10	10	10	10
Bed Volume FT <sup>3</sup>	19.5	35	75	117	196	400
Maximum Vacuum HG	28"	28"	28"	28"	28"	28"

**Installation & Start Up - TV Series** adsorbers require no special procedure for start up. Remove the shipping plugs from the inlet and outlet and make the proper connections to your system. The unit is now ready for service. Unions or quick connect fittings are recommended if the unit will be disconnected frequently.

**Maintenance** - When in use, the only maintenance the **TV Series** adsorbers require is testing for contaminants in the influent and effluent vapor stream, and checking the operating pressure of the system. Monitoring the influent and effluent vapor streams is recommended. If multiple adsorbers are staged in series, it is suggested to monitor the vapor stream between the adsorbers. When the concentration of contaminants in the effluent is exceeding treatment objectives, the Vapor Box should be removed from service and the activated carbon replaced. The working life of each adsorber is dependent upon the type of contaminants in the vapor stream as well as its concentration and the air flow rate.

**Replacing the Spent Carbon** – Once the carbon is no longer meeting treatment objectives, the adsorber should be removed from service and the spent carbon replaced. To purchase replacement carbon or to arrange for a carbon change-out, please contact our office.

**Disposal** – Dispose of the spent carbon in accordance with Federal, State and Local regulations.

### **WARNING!**

*Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels. Confined space/low oxygen procedures should be put in place before any entry is made. Such procedures should comply with all applicable local, state and federal guidelines.*