



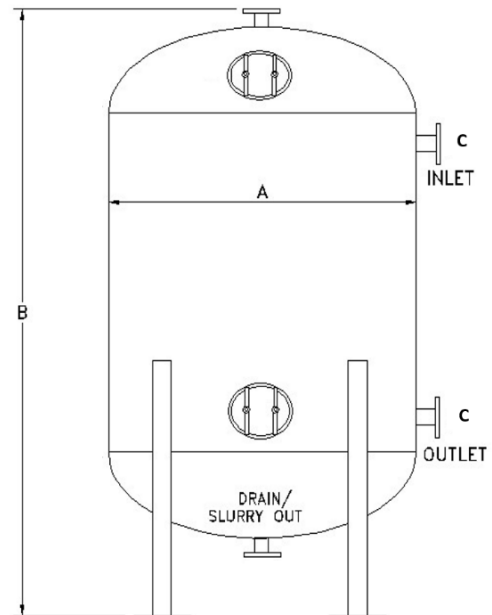
GC HP – SERIES

high pressure liquid adsorbers

GC HP – Series Liquid Adsorbers are designed for both industrial and municipal water applications. **HP Series** adsorbers can be provided individually or as a duplex system. Duplex systems are skid mounted with a valve “tree” allowing lead/lag or parallel operation and the isolation of either tank for servicing. The **HP Series** can also be custom fabricated to meet site requirements.

Features:

- Down-flow fixed bed with backwash capability
- Carbon steel fabrication, 75 psig pressure rated
- ASME code stamp optional
- Two (2) part epoxy internal lining
- Stainless steel internals
- Access manways for easy maintenance
- Forktube access



Series #	HP-500	HP- 1000	HP-2000	HP-3000	HP-5000	HP-10000	HP-20000
Height - B	5'11"	7'2"	8'6"	8'11"	9'11"	10'9"	15'10"
Connections- C	2" FNPT	2" FNPT	3" FNPT	3" FNPT	4" FNPT	6" FNPT	8" FNPT
Diameter-A	30"	36"	48"	60"	72"	96"	120"
GAC	500lbs	1,000lbs	2,000lbs	3,000lbs	5,000lbs	10,000lbs	20,000lbs
GPM	8-25	10-35	15-70	25-150	35-165	60-300	100-480
PSIG	75	75	75	75	75	75	75
Max VAC	28"	28"	28"	28"	28"	28"	28"
Bed Volume FT³	20	35	75	117	196	400	780

Installation & Start Up - HP-Series adsorbers are shipped empty along with the required activated carbon. The adsorber should be installed and all fittings pressure tested for leaks before the carbon is loaded through the top manway. After the carbon has been loaded, the adsorber should be filled with clean water through the bottom collector, and allowed to degas for 8-12 hours. Hydraulic delivery of the activated carbon will not require degassing. Backwashing the carbon is recommended to remove fines that can cause excessive pressure drop through the adsorber.

Maintenance - The only maintenance the **HP-Series** adsorbers require is the monitoring of the influent and effluent, along with the system operating pressure. When the activated carbon can no longer meet treatment objectives, The HP-Series adsorber should be removed from service and the spent carbon replaced. Duplex systems are usually connected in series with testing between the adsorbers advised to determine when the activated carbon is no longer meeting treatment objectives and when a change out is required. The working life of each adsorber is dependent upon the type of contaminant in the water as well as its concentration and the liquid flow rate. A pressure relief device is advised to prevent damage to the canister in the event of excessive pressure buildup. Backwashing is recommended to remove suspended solids which may additional pressure drop through the adsorber.

Servicing HP-Tanks - Once the carbon is spent, the adsorber should be taken off line and fresh carbon installed. To purchase replacement carbon or to arrange for a carbon change out, please contact our office.

Disposal - Please note, the disposal of spent carbon should be in accordance with Federal, State and Local regulations.

Available Options - Custom features are available to meet specific site conditions. Please call General Carbon Corporation with any questions. 050708

ANY entry into carbon vessels requires that procedures for confined space entry and oxygen depletion be followed!