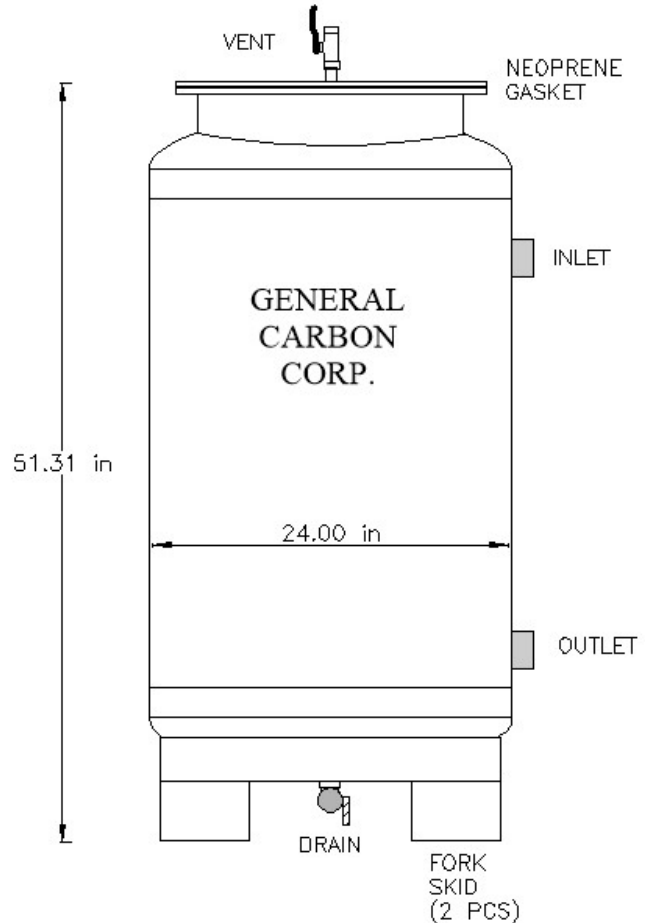




GC MP-55

medium pressure liquid adsorber

General Carbon's Medium Pressure 55 Gallon Adsorber is designed for heavy-duty applications. The MP-55 is durable, strong, and intended for long-term use. Each unit comes equipped with corrosion resistant stainless steel internals, stainless steel bolts, a screened drain plug, 4"x6" fork skids, and a pressure gauge port for monitoring your system operation. Each MP-55 adsorber is constructed of SA-36 mild steel and is coated with a 2-part epoxy primer and a high-build two-part low VOC Polyurethane topcoat for abrasion and chemical resistance. The MP-55 is not code stamped but designed to 40 psi design standards.



Specifications

Diameter Inside Dimensions	24"
Overall Height	52"
Inlet Fitting	2" FNPT
Outlet Fitting	2" FNPT
Drain Fitting	½" FNPT
Carbon Weight (30#/FT ³ -8.7FT ³)	265 LBS. (MAX)
Max Recommended Flow Range	6-18 GPM
Maximum Pressure	40 PSIG
Flow Direction	Downflow
Empty Bed Contact Time (EBCT)	3.6 Minute

Activated Carbon – The MP-55 liquid adsorbers are filled with virgin, high activity GC 8x30 carbon. Virgin GC 12x40, reactivated GC 8x30R or other special carbons are also available.

Removable Manway Cover – The removable lid is held in place with 16 stainless steel bolts through steel reinforced flanges. The gasket is made of 3/16" thick neoprene.

Connections – 2" FNPT inlet/outlet connections are located on the vessel side to ease connection stress. Unions or quick connect fittings are advised to make vessel exchange easy.

Flow Distributors – Inlet piping is 2" stainless steel pipe angled up at the manhole cover. The collector on the bottom is Stainless Steel slotted pipe with 0.012" slot size.

Coatings – The MP-55 steel is first machine cleaned and is then primed with two-part epoxy. A Polyurethane, high build topcoat is applied at a 3-5 mill DFT. This paint program results in a strong abrasion and chemical resistant coating.

Installation & Start Up – If possible before the units are used for the first time, they should be filled with clean water for a period of 8 to 12 hours to allow the carbon to degas. A gentle backwash is also recommended to remove carbon fines that can cause excessive back pressure through the unit. Multiple units are usually connected in series with testing between the units advised to determine when the first unit needs to be changed out.

Maintenance – Once connected, *The MP-55* requires no maintenance other than the monitoring of the influent and effluent liquid streams and the operating pressure of the system. Monitoring the liquid stream into the last unit in series mode is a recommended safeguard against breakthrough in the final outflow. When the concentration of contaminants in the outflow equals the concentration in the inflow, *The MP-55* has reached its removal capacity and should be removed from service. The working life of each adsorber is dependent upon the types of contaminants in the water as well as their concentration and the liquid flow rate. A pressure relief device is advised to prevent damage to the vessel in the event of excessive pressure buildup.

Recharging – Once the carbon is saturated by contaminants, the unit should be removed and replaced with a fresh one. 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

Caution!

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.