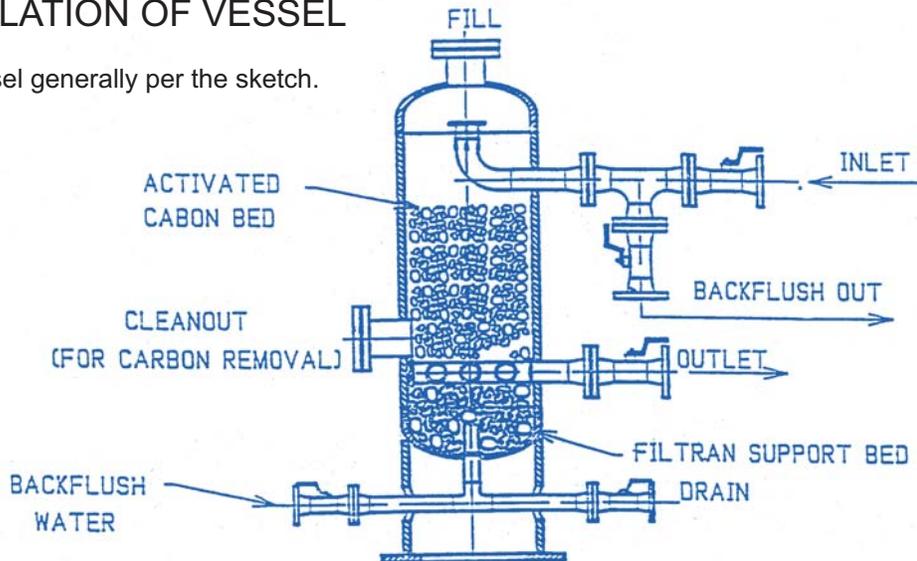




SERIES 10-FB ACTIVATED CARBON ABSORBER

INSTALLATION OF VESSEL

Install vessel generally per the sketch.



NOTES:

1. This sketch shows only minimum valving required.
2. Back-flush connection is optional. If none are installed, use the drain connection.
3. Quick Opening Closure may be used for fill / clean-out.

INSTALLATION OF CARBON BED AND PREPARATION FOR OPERATION

1. Install filtran support bed to a level even with bottom of clean out nozzle.
2. Close and secure clean-out nozzle using appropriate gasket and procedures. If a QOC, reference QOC Installation and Operating Instructions.
3. Fill vessel about half full of water.
4. Gently pour fresh activated carbon through fill opening to a level 3-4 inches below inlet nozzle. The carbon should be installed gently as it is fragile and easily damaged. The water will help cushion its fall to the bottom of the vessel.
5. Close and secure fill opening using appropriate gasket and procedures.
6. Back-flush slowly with clean water to remove dust. Continue back-flush until effluent water is clear.
7. When carbon is clean, drain water from vessel. Opening the vent valve will facilitate this drainage.

NOTE: Filtran carbon support is available in one (1) cubic foot bags. Each bag weighs approximately 57.5 lbs. Activated Carbon is available in one (1) cubic foot bags. Each bag weighs approximately 40 lbs.

CAUTION: Wet activated carbon depletes oxygen from air. Whenever workers enter a vessel containing carbon, precautions should be taken since dangerously low levels of oxygen may be encountered. Atmosphere sampling and work procedures for potentially low oxygen areas should be followed.

OPERATING INSTRUCTIONS

1. After filling vessel with carbon and ensuring that all vessel connections are tight, gently open inlet valve to fill vessel with process fluids. Allow air to escape from system through the vent valve.
2. When the vessel is full, open the inlet valve full open.
3. Next, gently open the outlet valve to establish a flow.
4. Slowly open the outlet valve in increments until it is fully open.

MAINTENANCE INSTRUCTIONS

1. Recharging is necessary after six months to a year of operation, or earlier if the carbon's adsorptive capacity has been used.
2. If amine or glycol shows unusual pH or foaming problems, recharge the unit.
3. To recharge, shut down unit and remove used carbon through the clean-out nozzle. Do not remove the filtran bed support.
4. Replace with fresh PECO-Carbon activated carbon for best results.
5. It is advisable to change filtran every third or fourth recharging.
6. If it should become necessary to remove or replace the outlet screen in the bottom of the bed, the screen may be removed by either unscrewing or unflanging the internal distributor inside the vessel. Whether the screen is screwed or flanged depends on the individual design of the vessel.

REPLACEMENT CARBON

For best results, use only PECO-Carbon activated carbon and filtran.

IO-10FB (06/08)