



PERRY EQUIPMENT CORPORATION
AN ISO 9001 COMPANY

SERIES 10 CHARCOAL FILTERS

GENERAL DATA

PECO Series 10 filters are designed primarily for purification of glycol and amine streams. The absorbers are installed down-stream of full-flow type solids filters to absorb dissolved hydrocarbons, fatty acids, well inhibitors and certain degradation compounds from glycol and amine systems. Filters should be installed with by-pass and block valves to permit by-passing the filter during element changes if the system cannot be shut down to allow element changes.

Filters are shipped from the factory complete with initial charge of elements of the proper density for the intended application. REORDER ELEMENTS PER ELEMENT DATA SHEET.

INSTALLATION INSTRUCTIONS

1. Position the filter so that there is at least 38" unobstructed space above the filter for element removal.
2. Connect marked inlet and outlet connections of filter to piping of equal diameter.
3. Open the filter case and inspect it to be sure that all elements are in place and cover gasket is in proper order. Fill filter with liquid to the top and close cover. Bolt down cover securely.
4. Begin flow of liquid to filter. Vent air from case through top vent valve. Carefully check unit for leaks. Vent case at periodic intervals during operation to eliminate accumulated air.

OPERATING INSTRUCTIONS

1. After the filter has reached normal operating temperature, occasionally check differential pressure reading. When it reaches 20 psi at normal operating temperatures, the elements are loaded with contaminants and should be changed. However, in most cases, the absorption media will become expanded prior to achieving a high differential pressure. In these cases, the elements should be changed when the liquid goes "off spec".
2. Filter elements should be changed if pressure drop exceeds 50 PSI at any time. This condition may occur on cold start-up.

CHANGING ELEMENTS

1. Stop flow to filter. Bleed off pressure by opening vent valve on top of case.
2. Drain oil to **1" below** element carrier.. **Under no circumstances** are the old elements to be removed until oil reaches **this** level.
3. Remove old elements by means of wire bail. Care should be taken that none of the contaminant on the outer surface of the old elements is accidentally dropped into the element center post.
4. Install new elements. **Be sure** elements are seated properly. Replace lid and bolt down evenly.
5. Begin flow of liquid to filter. Vent air from case through top vent valve. Carefully check unit for leaks. Vent case at periodic intervals during operation to eliminate accumulated air.
6. Proceed to operate filter as described in operating instructions.

ENGINEERED FILTRATION TECHNOLOGIES