



**PERRY EQUIPMENT CORPORATION**

*AN ISO 9001 COMPANY*

## **SERIES RFF & RGG FULL FLOW FILTERS**

### **GENERAL DATA**

PECO Series RFF and RGG filters are designed for the full flow of engine lube oil and may be furnished with or without internal differential relief valve. For engine lube oil filtration, PECO filters normally have internal differential relief valves. Filters should be installed with by-pass and block valves to permit by-passing the filter during element changes if the engine cannot be shut down to allow element changes.

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

### **INSTALLATION INSTRUCTIONS**

1. Locate the filter in lube oil line between engine lube pump and bearing header as close to the bearing header as possible. 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 oil to the top and close cover. Bolt down cover securely.
4. Begin flow of oil 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, regularly check differential pressure reading. When it reaches 20 psi at normal operating temperatures, the elements are loaded with contaminants and should be changed.
2. If no noticeable pressure drop occurs in twelve (12) months, the filter should be opened and the elements changed. Some of the products of combustion or other contaminants in the lube oil may have caused element deterioration.
3. 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 below element lower gasket seat. Under no circumstances are the old elements to be removed until oil reaches this level.
3. Remove old elements. 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 oil 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.

**IF ANY DIFFICULTIES ARE EXPERIENCED, PLEASE CONTACT YOUR LOCAL REPRESENTATIVE OR THE FACTORY**

***ENGINEERED FILTRATION TECHNOLOGIES***