



PERRY EQUIPMENT CORPORATION  
AN ISO 9001 COMPANY

## **SERIES 85 FILTER-SEP**

### INSTALLATION INSTRUCTIONS

1. Check the FILTER-SEP cut-away picture in order to get acquainted with the flow pattern of gas through the first and second stage.
2. Connect the FILTER-SEP by the usual piping methods, observing proper inlet and outlet as marked on drawings and on FILTER-SEP nozzles. Pipe all connections on first and second stages independently. Gauge Glass, Liquid Level Controls, and Drains should never be manifolded between first and second stages.
3. Do not operate without first removing the top head to make sure the element hold-down nuts are tight.
4. Build up pressure on FILTER-SEP and check for leaks.
5. If no leaks are found, check to be sure that all pressure gauge connections, drain connections, etc. are ready for operation.
6. Put the FILTER-SEP on stream.
7. Check the pressure drop across the FILTER-SEP to determine the initial pressure drop (using either pressure gauges or manometer).

### OPERATING INSTRUCTIONS

1. After the FILTER-SEP has been in service for several hours, check gauge glasses to determine how much liquid has collected in the two liquid reservoirs. This requires checking daily if the FILTER-SEP is not equipped with automatic liquid level controls.
2. After the FILTER-SEP has begun to show a pressure build-up across the first stage of approximately 5 PSI, it is suggested that you take the unit out of service and open the head to check the approximate amount of dirt, wax, etc. that has collected on the elements.
3. Do not violently back-flow the FILTER-SEP. Open manual drains in liquid reservoir and drain all liquids. Blow dirt off the elements through the first stage drain connection by opening the drain valve rapidly to cause gas flowing through the filter to break loose any solids on the element. If the above method is hazardous or impractical, remove the elements and brush off or blow off the caked dirt. If the element has wax, paraffin, etc, on its surface, the element should be replaced.

### CHANGING ELEMENTS

1. After replacing elements, put FILTER-SEP back in stream. Check pressure drop across the unit. If pressure drop has returned to normal, continue to flow until such time as differential pressure drop builds up again. If pressure drop is still in excess of 5 PSI, open head and replace element.
2. Replace new or cleaned elements in same manner as the element was originally installed. Occasionally, it may be necessary to clean or flush the second stage.
3. FILTER-SEP head gaskets should be replaced as required.
4. Order replaceable head gaskets and elements by Series Model and Serial Numbers shown on FILTER-SEP nameplate. No replacement parts other than gaskets and elements are normally required.

IF ANY DIFFICULTIES ARE EXPERIENCED WITH THE PECO FILTER-SEP, CONSULT THE  
FACTORY OR YOUR LOCAL REPRESENTATIVE.

**ENGINEERED FILTRATION TECHNOLOGIES**