



PERRY EQUIPMENT CORPORATION
AN ISO 9001 COMPANY

Series 30, 30A and 30F Gas Filter

GENERAL DATA

PECO Series 30, 30A and 30F Dry Gas Filter (hereafter referred to as Series 30) are designed for dry dirt removal service.

This vessel must be operated in a system, which has an appropriate pressure relieving device to limit the maximum allowable pressure (MAP) in the system to the maximum of 110% of the MAP.

INSTALLATION INSTRUCTIONS

- 1) Be sure that the filter is properly sized for the flow and dirt removal conditions. If in doubt on any filter, please contact the factory.
- 2) Connect the filter with the usual piping method, observing proper inlet and outlet as marked on the drawings and on the filter. Unit shall always be installed in the vertical position. Be sure to install the unit with sufficient clearance to allow for element removal/installation.
- 3) Check to be sure that all connections (pressure gauge, vent, drain, etc.) are assembled and ready for use. Check to ensure that the filter cover lid is securely bolted in place.
- 4) Per your company procedure, build up pressure on filter and check for leaks.
- 5) Place filter on stream.
- 6) Check the pressure drop across the filter to determine clean element pressure drop using differential pressure gauge or manometer.

OPERATING INSTRUCTIONS

- 1) After filter has been in service for some time, depressurize the unit and open the drain connections to determine if any liquid is being collected in the case. It is advisable to check the drain fitting periodically for liquids.
- 2) When the differential pressure drop across the filter reaches 12-14 PSIG, remove the unit from service, replace the elements.
- 3) The pressure drop across the elements should **never exceed 20 PSIG** or the elements may burst.

CHANGING ELEMENTS

- 1) Isolate the unit, depressurize and prepare for opening per your company's procedure.
- 2) After ensuring that the unit is depressurized to zero internal pressure, open the filter vessel cover lid and remove the elements from the filter vessel.
- 3) Replace elements and re-assemble as above. Replace the filter vessel cover lid on the filter and check for leaks. Be careful to ensure the gasket is properly placed in its seat. The main cause of leaks in Series 30 is an improperly installed gasket.
- 4) The gasket should be replaced on the filter vessel cover lid as required and should be ordered by size model and serial number. When ordering replacement elements, use the element number shown on nameplate. Genuine PECO replacement elements are available from your PECO representative or the factory.

PECO GAS FILTERS ARE DESIGNED FOR USE WITH PECO ELEMENTS. IF ELEMENTS OF ANOTHER MAKE ARE USED, THEN THE PECO PROCESS GAURANTEE WILL NOT BE APPLICABLE. USE OF ANY GASKETS OTHER THAN PECO BRAND SHALL VOID THE PECO VESSEL STRUCTURAL WARRANTY.

IF ANY DIFFICULTIES ARE EXPERIENCED WITH PECO GAS FILTERS, PLEASE CONSULT YOUR LOCAL PECO REPRESENTATIVE OR THE FACTORY.

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ENGINEERED FILTRATION TECHNOLOGIES