



PERRY EQUIPMENT CORPORATION
AN ISO 9001 COMPANY

SERIES 70

DRY GAS FILTERS

GENERAL DATA

These instructions apply to all PECO Series 70 Gas Filters, whether horizontal or vertical. Series 70 filters are designed for dry dirt removal service, and do not have a second stage liquid stripper.

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 nozzle.
3. Check to be sure that all pressure gauge connections, blow-down nozzles, drain connections, etc. are assembled and ready for use. Check to insure that the filter cover lid is securely bolted in place.
4. Per 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 Peco 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 fittings periodically for liquids.
2. When the pressure drop across the filter reaches an excessive amount (12 PSIG), remove the unit from service, open the filter head and check the elements to determine the approximate amount of dirt build-up.
3. To clean elements, open the inlet line to the filter and blast off the dirt from the elements through the open cover of the filter. If this is not practical, blow the filter through the blow-down fitting or drain by placing a valve on the fitting and opening the valve rapidly to cause enough pressure drop across the filter to break loose any cake on the elements. If these methods are impractical or hazardous, remove each element and brush or blow-off the caked dirt. Elements can be cleaned with an industrial vacuum cleaner. Replace the elements. Put filter back on stream. Check pressure drop across the unit. If pressure drop is normal, continue until pressure drop becomes excessive (12 PSIG), then repeat the cleaning procedure.
4. Elements need to be changed in the event that blowing, brushing or vacuum cleaning does not reduce pressure drop to normal. The pressure drop across FG336 or FG372 elements should never exceed 35 PSI or the elements may collapse.

CHANGING ELEMENTS

1. For single element filters, open cover lid, remove center nut and plate. Lift or pull element out.
2. For multiple elements, remove element spider support nuts. Remove support plate. Remove element center nuts and seal plates. Remove elements. Replace all elements and re-assemble as above. Replace cover lid on filter. Check for leaks.
3. Gaskets should be replaced on cover lid as required. Check filter for Model and Serial Numbers. Order gaskets on this basis.

IF ANY DIFFICULTIES ARE EXPERIENCED WITH PECO GAS FILTERS, CONSULT THE FACTORY. WHEN ORDERING REPLACEMENT ELEMENTS, ORDER FROM THE ELEMENT NUMBER ON NAME PLATE.

ENGINEERED FILTRATION TECHNOLOGIES