



PALL GASKLEEN®
A PRECONDITIONED GAS FILTER
ASSEMBLY

INSTALLATION / REPLACEMENT
INSTRUCTIONS

1. SUGGESTED INSTALLATION

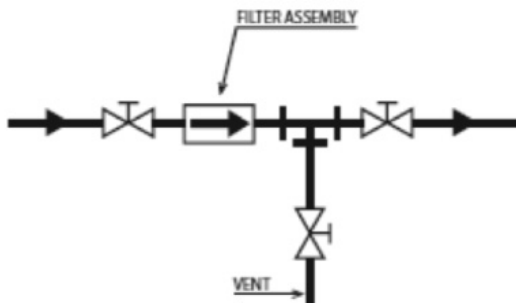


Figure 1

2. INSTALLING AND REPLACING FILTER ASSEMBLY

The following installation procedure is recommended. Have all necessary tools and components ready for immediate filter assembly installation (*i.e.* wrenches, gaskets, weld equipment & etc.).

1. Thoroughly purge the process line with purified inert gas. This is especially important if the line has been used for or exposed to toxic, corrosive or reactive gases. The user should determine the adequate purge cycle for safe filter assembly removal.
2. Close the valve located downstream of the filter assembly.
3. Close the valve upstream of the filter assembly.

4. Slowly open the vent line valve to depressurize the filter assembly. If no vent line is present, carefully and slowly loosen a filter assembly connection fitting to depressurize the filter assembly.
5. Remove and dispose of the used filter assembly following any safety precautions required based on the process gas the filter assembly was exposed to.
6. Inspect tubing or pipe connection for damage, wear, contamination and corrosion. Take corrective action as required, making sure all applicable procedures are followed.
7. Initiate small upstream purge flow by opening upstream valve slightly. This will minimize atmospheric contamination during filter installation.



Exercise care when handling the filter assembly (*i.e.* avoid contacting the highly polished VCR, or similar fitting, seal beads which can easily be damaged).



Complete Steps 8 & 9 within 2 minutes¹.

Unpacking— Remove the double bagged filter assembly from the box. Use powder-free electronics grade gloves for all filter assembly installation procedures. Carefully remove and discard outer bag.

8. Remove the new filter from the inner see thru bag. Carefully remove and dispose of both protective caps and metal seals 2, 3, 4.

9. Immediately install filter in place. Make sure that the process gas flow direction agrees with the flow direction indicated on the filter assembly. Tighten upstream connections while maintaining upstream purge flow.
10. Purge for 1-2 minutes to ensure that entrained atmospheric contamination is removed before tightening downstream connection.
11. Tighten downstream connection. Open downstream valve and continue purging the system for ten minutes at 10% of the maximum filter design flow. This purge flow may be diverted to a downstream vent if desired.



CAUTION: All fittings must be leak checked before the system can be put on-line. Follow leak check procedures which are applicable for the process gas to be used.

¹ Maintain a controlled atmosphere surrounding the installation section (*i.e.* a glove box) for applications which cannot tolerate atmospheric contamination or for which the process line cannot be purged as described.

² Filters with butt weld end fittings are sealed with ferrules and protective caps. Loosen end fitting and carefully slide ferrules off weld end. Immediately weld into place using a qualified weld procedure.

³ The sealing instructions (gaskets, tools and torquing procedure) will vary depending on fitting size and type. See applicable data sheet or drawing for specific fitting type. Consult W-seal, C-seal, VCR®, VCO®, Tube Compression or compatible fitting literature for sealing instructions.

⁴ On parts with compression fittings, Pall recommends setting the ferrules on the tubing using the actual filter assembly. Tubing socket depth may vary by manufacturer.

SPECIFICATION

See appropriate Pall Filter Assembly Data Sheet for pertinent technical data such as removal rating, maximum inlet pressure and maximum temperature.

PACKAGING

The filter assembly is preconditioned to specifically low ppm levels of moisture, oxygen and hydrocarbons at the factory. The inlet and outlet fittings are specially sealed to maintain these preconditioned levels during shipment. The filter assembly is also double bagged and placed in individual boxes for additional protection. Both inner and outer bags are positive pressure purged with nitrogen to eliminate atmospheric contamination.



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