



SELAS VAPE-SORBERS

SERIES III

INSTALLATION:

The Selas Vape-Sorber is an in-line type of filter and should be mounted in a vertical position, directly in any horizontal run of compressed air or gas line, making certain that the direction of flow through the unit is correct. The lower connection on the vessel side is the Inlet Nozzle. (Refer to assembly drawing for location.)

For draining the unit on intermittent service, a valve and dropleg are suitable, but when the service is continuous, the use of a compressed air trap is recommended.

It is recommended that the Vape-Sorber be installed as near as possible to the point of use of the air or gas to minimize condensation beyond the unit. If this is not possible, the unit should be located at a low point, cool point, or other location of maximum condensation or liquid collection. The Vape-Sorber should never, under any conditions, be installed at the compressor, nor should it be exposed to freezing conditions.

After installation, but before initial use of the unit, the carbon bed and after-filter assemblies should be removed and examined. Refer to the maintenance instructions for proper procedure. When reassembling, make certain all gaskets are in place and threaded connections are tight.

OPERATION:

In the first stage of the Vape-Sorber, the wet air or gas entering is stripped of liquid water, water-oil emulsions, free oil in droplet form and entrained solid particles by the "Extractor Section." The "Extractor" is constructed so that it will not adsorb liquid phases of water, oil, or water-oil emulsions. Consequently, the liquid droplets coalesce within the "Extractor" and fall to the bottom of the unit.

Any remaining oil mist will be removed while the entering air or gas passes through the adsorbent bed. The after filters insure against any particles of carbon dust contaminating the clean outlet air or gas.

MAINTENANCE:

Since there are no moving parts in the Selas Vape-Sorber, there is no wear. Maintenance consists only of the replacement of the after-filter elements and charge of activated carbon. Periods of replacement cannot be predetermined. They are determined by the conditions of usage and regular inspections should be made.