

HILCO® FILTRATION PRODUCTS FOR LIQUID FUEL



HILCO

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HILCO® FILTRATION PRODUCTS

The Hilco division of the Hilliard Corporation is a recognized world leader in lube oil, liquid fuel, fuel gas, and process liquid filtration since 1925. Hilliard has supplied thousands of liquid fuel filters, coalescers, and systems to OEM turbine and engine manufacturers to maintain fuel cleanliness to their specifications. Filter and system applications include in line and kidney loop on storage tanks. The application and sizing of Hilliard filters is based on actual fluid analysis and desired dirt holding capacity versus traditional clean pressure drop method. When filters are sized based on the actual fluid contaminate, cartridge change out frequency can be minimized and the filter optimized to bring the most value to the customer. Hilco maintains an extensive test lab and development lab staffed with veteran technicians and engineers with years of filtration and application experience.

Striving for continuous improvement in testing of vessel designs, cartridge configuration, and cartridge media, Hilco is able to offer the customer a customized and optimized solution to their liquid fuel filtration application that will ensure equipment reliability. If you are an engineering company offering a balance of plant solution, OEM supplier, or equipment operator looking for a best overall value solution to your liquid fuel application please contact us for a free sizing and quotation.



Typical Hilco® Hi-pressure & Low Pressure Liquid Fuel Skids Nearing Shipment

BROAD EXPERIENCE

IN MANY APPLICATIONS

- Loading
- Unloading
- Transfer
- Forwarding
- Tank Maintenance/Clean-up
- Suction Strainers
- Mobile-Portable/Stationary Systems
- Automatic Self-Cleaning
- In-line/Kidney Loop/Point of Use/
Last Chance



SELF-CLEANING FILTERS FOR

The quality of the liquid fuel can vary depending on the geographic region of the world and the supplier. When solids loading exceeds 0.01% by weight conventional cartridge filtration does not become very practical. In these situations Hilco manufactures a line of self-cleaning filters which reduces solids loading to a more manageable level.



COALESCING FILTERS FOR MOISTURE REMOVAL

Hilco coalescing systems are the ideal way to remove moisture contamination in any liquid fuel. Hilco has been manufacturing coalescers for liquid fuels for over twenty five years. Systems are available with flow capacities as high as 1500 GPM (5700 LPM).



AVAILABLE FEATURES AND OPTIONS

- Pumps/Heaters/Pressure Controls
- Single or Multi-Stage Filtration
- High Efficiency Proprietary Blend Medias for Particulate
- High Efficiency Water Separation
- High Packing Density w/ 440 Style Cartridges
- Easy Maintenance-QOC Option
- In-line Quality Measurement Option
- Flow/DPI/P&T Transmitters Option
- Foundation Fieldbus, Modbus, TCP/IP, LAN and Internet Connectivity Option
- ATEX, Ex, PED, ASME, NR-13, DOSH, etc.



Hilco manufactures complete liquid fuel systems which can incorporate all or any combination of these contaminate removal techniques. Put Hilco's expertise to work in solving your most difficult liquid fuel filtration needs.



Hilco has a large on hand inventory of liquid fuel, as well as atomizing air filter elements.

Hilco manufactures a variety of fullers earth filter elements for surfactant, wax, and bacteria removal from rancid liquid fuels.

Pleated stainless steel strainers and strainer baskets are on hand for immediate shipment as well.



STRAINERS FOR

In many cases the last chance filter is a high efficient strainer element which can be cleaned, restored to like new condition, and reused several times. Hilco manufactures hi-pressure liquid fuel strainers with design pressures as high as 2,000 PSIG (137 Bar).



Systems can be painted to withstand any harsh environmental conditions or completely enclosed for additional protection. The enclosed hi-pressure liquid filtration system pictured here even has an integral fire suppression system.

Hilco duplex basket strainer vessels are ideally suited for bulk solids removal and pump suction protection. Vessels are available in a variety of materials of construction and are furnished with a broad range of mesh baskets.



DUPLEX FUEL FILTERS

In many dual fuel gas turbine applications, operation on liquid fuel is only required in the rare occurrence that there is a loss in the availability of natural gas. In this scenario, a relatively small duplex filter may be considered as long as it meets the allowable differential pressure limitations of the system.

In many geographic areas of the world, however, a dependable natural gas infrastructure is not in place and the turbine will experience a high percentage of run time burning liquid fuels. In this particular case, a much larger filter with higher dirt holding capacity is required in order to extend filter cartridge run time and limit filter element change out intervals.

In all instances, a duplex style filter arrangement is preferred in order to ensure uninterrupted fuel flow during filter element replacement.





All Hilliard Products are
Designed and Manufactured
in Elmira, New York.

Since 1905, The Hilliard Corporation has been a reliable source of quality industrial products.

- Clutches and Brakes
- Hilco® Oil Reclaimers, Filters and Cartridges
- Gas Turbine Engine Starters
- Star Filter Presses
- Wastewater Filtration Systems



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