

# HILCO Gas Filters & Filter/Separators



Hilco has been manufacturing gaseous fuel filters for over fifty years.. These filters are designed and manufactured to ASME Code Section VII, Division 1 designed and manufactured. Construction to PED 97/23/EC is also available for European installations.

Systems are offered with a variety of options including:

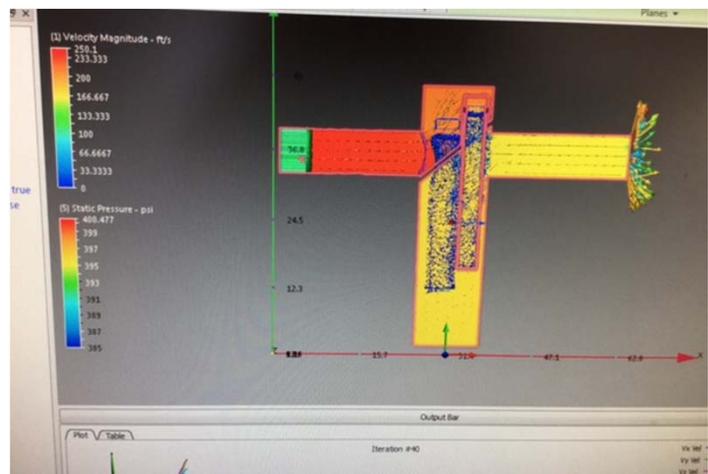
- Work mezzanines
- Transmitters (pressure, temperature, or level)
- Local controls
- Various communication protocols
- Stainless steel or carbon steel construction
- Solids removal only or liquid drip gas/moisture coalescing



For heated gaseous fuel applications Hilco manufacturers hi temperature filter/separator versions for continuous operation up to 500 F (260 C).

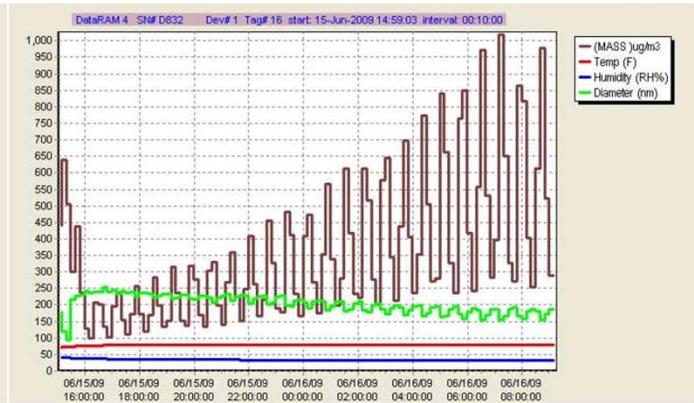


Hilco engineers utilize computational fluid dynamics (CFD) in order to optimize performance and to get accurate predictions of equipment pressure loss once in service





Each filter/separator is equipped with high performing Hilco filtration elements. A variety of element ratings are available depending on the specific requirements of the equipment. In house performance testing illustrated below shows a typical filter/separator removes greater than 99.98% of all liquid contaminants.



Third party verification of particulate removal per ASHRAE 52.2 test standard shows that a typical Hilco Filter/separator removes 99.99% of all solids 0.3 – 1 µm in size.

Particle Size Range (µm)	Removal Efficiency (%)
0.3 – 0.4	99.99
0.4 – 0.5	100.00
0.5 – 0.6	100.00
0.6 – 0.7	100.00
0.7 – 0.8	99.99
0.8 – 1	100.00
1 – 2	99.99
>2	100.00

Hilco gas filters are available in simplex or duplex (primary / standby) configurations for uninterrupted engine operation during filter element servicing. The duplex coalescing filter pictured to the right is installed on an aero derivative gas turbine in South America.



Hilco duplex filters are available with in opposing or same side connections. Hilco ball valves are manufactured and tested to ANSI/FCI 70-2, class IV leakage requirements.

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