

F1000 SERIES

OIL FILTRATION ELEMENT



Eliminating Water and Particulate Contamination in Lubricating Oils, Fluid Power Systems and Internal Combustion Engines

99.3% Efficient Particulate Removal > 2 Microns
99.1% Efficient Removal of Free and Dissolved Water

APPLICATIONS

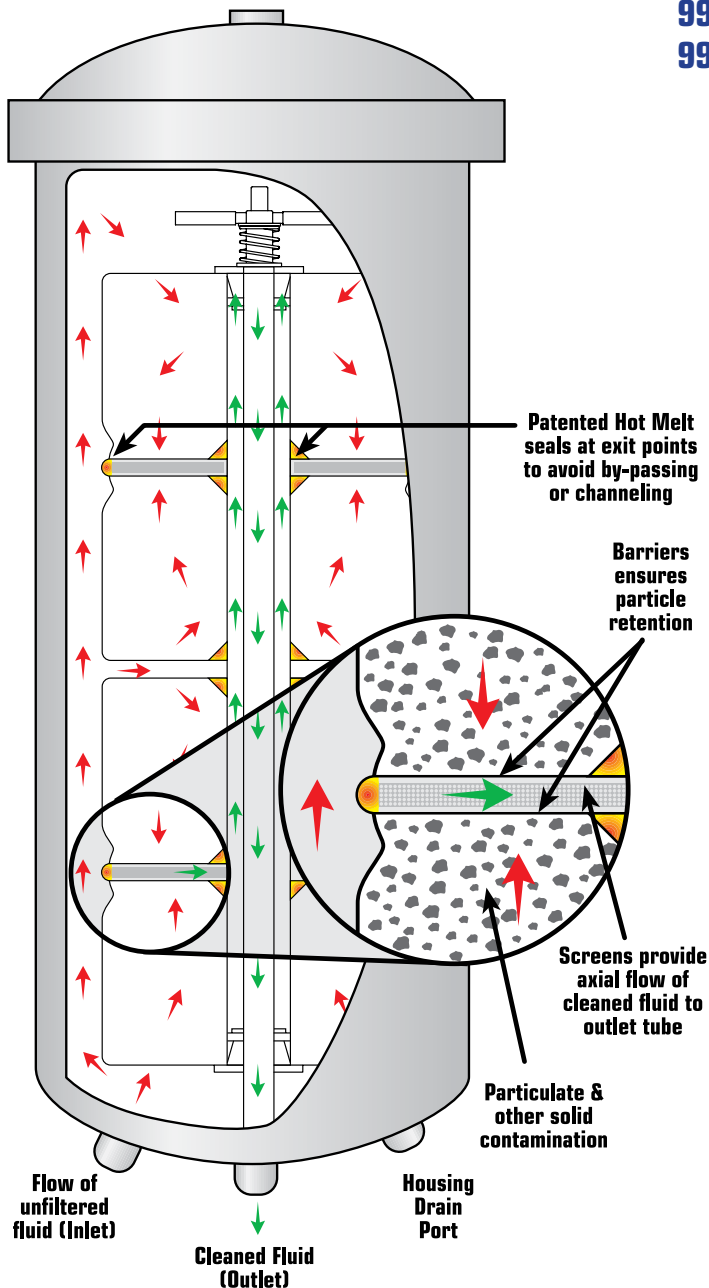
Hydraulic Oils • Compressor Oils • Gear Oil
Synthetic Lubricants • Phosphate Ester Fluids
Insulating Oils • Turbine Oil • Water Glycols
Engine Oils • Transmission Fluids

Efficiency – Patented positive sealing system insures maximum filtration performance and structural integrity of Filmox preventing any possibility of fluid bypass. Filmox is rated at 3 microns absolute and maintains fluids dry at less than 25 ppm water. Filmox removes the precursors that lead to oxidation of oil, and the formation of varnish and maintenance fluids within aerospace specifications.

Surface Area – 3,000 square feet of surface area provides Filmox with over three (3) times the holding capacity of other depth and conventional pleated filters.

Capacity – Filmox holds over four (4) pounds of particulate contamination and up to one (1) gallon of water from wet oils.

- **Reduce Maintenance Cost**
- **Reduce Operating Cost**
- **Extend Oil Life**
- **Extend Equipment Life**
- **Increase Performance**



REDUCING YOUR COSTS TODAY TO INCREASE YOUR PROFITS TOMORROW

MODEL F1000

OIL FILTRATION ELEMENT



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“Nominal” and “Absolute” are marketing terms for filters that do not address filter performance and efficiency. The proof is in the results!

SAE J1858 Beta Test

$$\beta_x = \frac{\text{No. of particles greater than "x" upstream of the filter}}{\text{No. of particles greater than "x" downstream of the filter}}$$

For Example:

$$x = > 5\mu\text{m particles}$$

$$\beta_5 = 500 = \frac{500}{1}$$

The following are the results from the SAE J1858 Beta Test on Filmmax

Time	Upstream Count	Downstream Count	Beta Ratio	Efficiency
30 min.	4598	13	354	99.72%
60 min.	4882	19	257	99.61%
90 min.	4983	6	831	99.88%
120 min.	4998	8	625	99.84%
150 min.	4884	9	543	99.82%
180 min.	4470	13	344	99.74%
			492	99.80%

500 particles entering the filter...

$$\beta_5 = 500$$

1 particle leaving the filter

Time	Upstream Count	Downstream Count	Beta Ratio	Efficiency
30 min.	7236	67	108	99.07%
60 min.	7758	60	129	99.23%
90 min.	7934	41	194	99.48%
120 min.	7871	41	192	99.48%
150 min.	7784	51	153	99.34%
180 min.	7341	59	124	99.20%
			150	99.33%

150 particles entering the filter...

$$\beta_2 = 150$$

1 particle leaving the filter

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Product status and specifications are subject to change.

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