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About boss filtration.

Boss Filtration consists of a team who has been involved in the filter business and filtration technology for more than 10 years and has studied fluid behavior under contaminated conditions and the effect on their lubrication properties. The company renders a service in advice and supply of equipment in the field of filtration which includes:

Duplex and simplex filter systems with vessels and valves in combination, designed to ASME VIII pressure vessel code.

We offer advice in the use of lubrication and hydraulic fluids cleanliness levels for different applications.

Advice on compatibility of the use of different elastomers and filters in conjunction with different chemicals.

Calculations of the required filtration velocity to establish the life cycle of the filter in operation, based on the fluid particle loading or level of fluid or contamination.

What makes Boss Filtration different?

Quick response to requirements and an understanding of the urgency required with lead times in the field of the petrochemical industry inside and outside the boarders of South Africa. Development of original filter breathers with huge benefits to the industry as well as excellent contamination control properties. Contamination control in the field of power transformers, hydraulic oil systems. Water contamination in systems especially at coastal areas where high humidity water ingress into oil systems is a huge problem.

Boss Filtration is a company who supply industrial oil filters, air filters, strainers, coalescers and housings for special applications in the petrochemical industry.

Boss Filtration can supply filters with a beta ratio of up to 75 which will ensure the cleanliness levels required for high pressure hydraulic systems.

Boss Filtration can give "on site" advice on problems relating to filtration technology.

Company Quality policy.

The management and personnel of Boss Filtration are committed to the provision of filter products and services of the highest quality to ensure continued customer satisfaction. Our technical service team can assist you on matters relation to reliable and effective filtration systems, contamination control, separation of solids, liquids, etc.

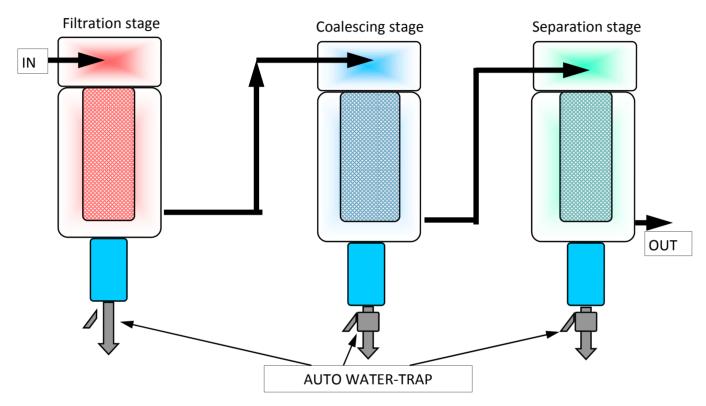
We maintain an extensive inventory of new and remanufactured filters, strainers, coalescers and complete units of the highest quality.

With our technically advanced workshop, test equipment, computer programming and technical sales department, we can assure you of our commitment to quality and our continuing search for improvement.

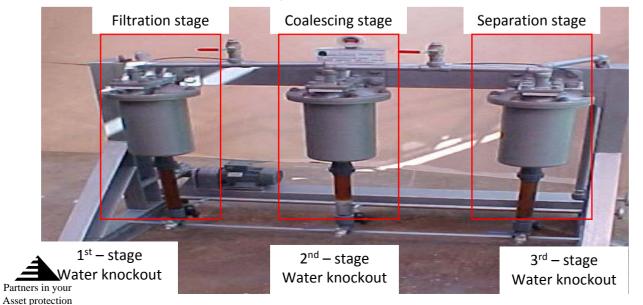




TYPICAL LAYOUT OF SYSTEM FOR REMOVAL OF WATER FROM DIESEL OIL

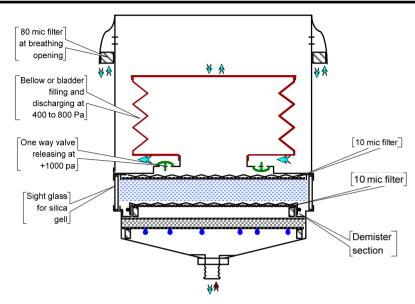


90 % OF THE WATER AND DIESEL SEPARATION WILL BE DONE BY THE COALESCING STAGE, SOME SYSTEMS HAVE A 3rd STAGE.









Application for bellow breather in industry

- pumps, gearboxes, oil reservoirs, power transformers etc.

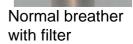
In areas where dust in the form of coal and sand is a source of contamination of the lubrication oil this breather will stop ingress and add quantum life to machinery.

Features.

The air leaving the rotating equipment contains water vapour and also oil is sometimes splashed out the vent point.

The purpose of the demister section is to prevent the oil drops to reach the filter membrane and clogs the pores. The water vapour will go through the demister section and will be absorbed by the absorbent granules. As the equipment breath during heat cycles the inner moist is absorbed by the absorbent material. During the breathing stage the equipment remains totally isolated from the atmosphere. This is been achieved by the bellow moving up and down to allow for volume changes. In cases where extreme expansion and contraction occurred the bi-directional valve will allow air flowing to or from the atmosphere.

Breathers are manufactured to fit your requirements in size and application.



BOSS FILTRATION CO

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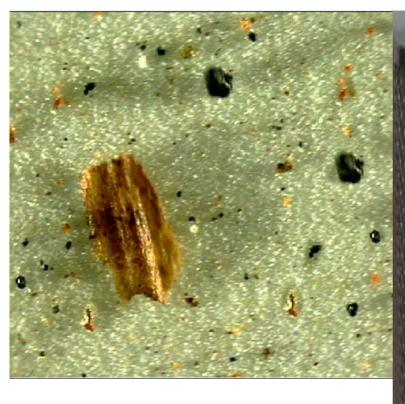
Breather with silica gell and Filter





Hydraulic oil and Lubricating oil filtration







Filtration of your oil system is crucial for the life of your equipment.







Air Intake Filters

The variety of air intake filters and the number of different applications cannot be published in this brochure, but with the specific size and type established, we can manufacture just about any filter.

So, if you need a new filter call us and we will develop or manufacture it from a sample to your requirements.

Remember, the life of your equipment depends on the quality of the air it is breathing.









Strainers



Y- Strainer housing

Duplex strainers with DP gauges



Simplex strainer systems



