



FILTER ALERT

Never Be Left Stranded Again...

Introducing... The DigiVac Fail-Safe FILTER ALERT



Now a Fail-Safe Fuel Filter Alert System that offers Safety and Ease Of Use

- A quantum leap forward in marine safety
- Revolutionary breakthrough approach to avoiding engine failure due to clogged fuel filters
- Notifies operator of a fuel filter getting clogged
- Waterproof robust double walled hermetically sealed stainless steel sensor
- Character display combined with red, yellow and green descriptive lights and a loud alarm that clearly indicates to an operator the filter condition while underway without having to go into the engine room

Diesel fuel filters on boats have a tendency to clog more quickly than usual in rough seas. When the filters become too clogged, the engines lose power. If this happens in bad weather, a crowded waterway, or a narrow channel, not only can it lead to costly damage to the vessel but also create a safety hazard for everyone around. Using this system is a way to avoid this common cause of engine failure.



DigiVac Fail-Safe FILTER ALERT System Targeted detection of fuel filter health

- A straightforward vacuum instrument designed to detect fuel filter degradation and alert the operator—so action can be taken before an engine failure
- Audible and visual alarm to alert you to a problem before you reach failure point—to help avoid costly repairs and engine failure

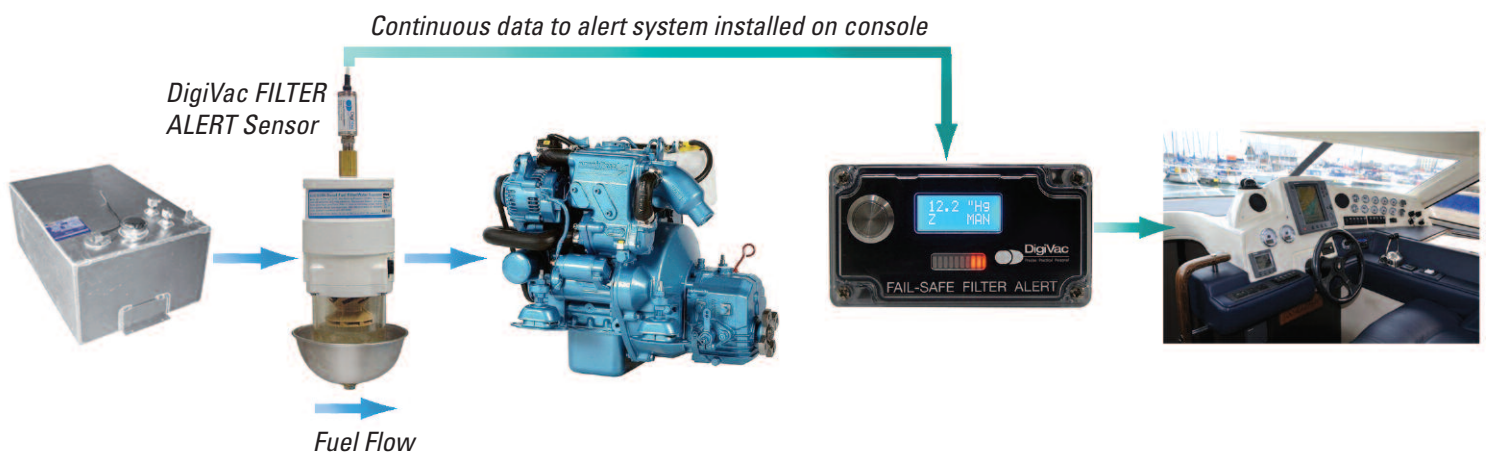


DigiVac Model 500 Fail-Safe FILTER ALERT
(patent pending)

Why use the DigiVac Fail-Safe FILTER ALERT System?

- This system increases operating safety margins by giving more time to make better decisions about the vessel
- Clogged fuel filters are responsible for entirely too many engine failures, and they are now avoidable with the DigiVac Model 500 Fail-Safe FILTER ALERT System
- With information that engines are about to fail, action can be taken to avoid a dangerous engine failure in a crowded seaway during deteriorating weather
- The sensor combined with the visual feedback presented by the display allows the operator to see gradual degradation of the filter and thus leaves plenty of time for corrective maintenance

How does the The DigiVac Fail-Safe FILTER ALERT System Work?



The DigiVac Fail-Safe FILTER ALERT System works on the principal of maintaining fuel flow. In a healthy fuel system, the engine low pressure pump will pull fuel from the tank through a filter. As the filter does its job and collects contaminants, the filter flow is reduced. As the flow is reduced, the lift pump has to work harder to pull fuel to the engine. There is a point where the filter is too clogged to support the flow necessary for the running of the engine. When there is not enough fuel flow, the engine stops.

Unfortunately, a filter is very likely to clog in precisely the kind of situation when you need a reliable running engine the most. When rough seas toss the boat, they also mix-up the contents of the fuel tank, and more contaminants are likely to find their way to the fuel filter.