

Abstract

Over the pages to come, we will explain the treatment of bilge water in its all: the different characteristics of bilge water, the different methods which exist to treat it, and the rules and regulations that surround it. The aim is to have an overview of the system so we are able to better understand the challenges of bilge water treatment.

After this clarification, we will have a look at the traditional static separator, based on gravity and coalescence. We will point the lack of relevance of such a type of separator which paradoxically is still widely used and even installed on board of vessel under construction.

We will then come over the PureBilge separator from Alfa Laval. This machine is based on a completely different principle: it uses the centrifugation, offering a far better solution for the oil and water separation. We will detail its characteristics and highlight its technical and economic advantages.

The different datas of the conventional static separator and the ones from a centrifugal separator such as PureBilge will ultimately be crossed in order to prove the advantages and the reliability of the latter.