



HYDROSTATIC FILTRATION SYSTEMS (HSFS SERIES) WITH FILTERING FABRIC

Our gravity strainers with high hydrostatic head type HSFS are used to remove ferrous metallic of any kind, both metallic and non-metallic, produced by different industrial processes and found suspended in liquid lubrocoolants (emulsions or whole oils). Filtration occurs by gravity and the filtration means used is non woven fabric. The average degree of filtration that can be obtained varies according to the type of filtering fabric used and the thickness of sludge accumulated on it during the filtration cycle. Thanks to the high level of liquid the filtering bag can hold and the high pressure exerted by the liquid, the efficiency of the filtering fabric is considerable increased. Indeed, compared with traditional gravity strainers with flat bed it has the same flow rate of liquid to be filtered, the size of the filter is considerably smaller and therefore obtains high degrees of filtration reducing consumption of the filtering fabric. The filtering surface is calculated based on the flow rate of lubrocoolant to be treated.

The standard production of HSFS hydrostatic strainers is available for flow rates up to 3.000L/min.

All our hydrostatic strainers can be equipped (upon request) with a magnetic filter so the liquid to treat is subject to a prefiltration treatment. The HSFS-M series hydrostatic strainers, combined with magnetic filter, are used when there is a high content of ferrous particles suspended in the liquid to be treated.

The magnetic separator can eliminate a large part of the pollutant magnetic particles before they reach the filtering bag of the hydrostatic filter, which considerable reduces the caking cycles and feed of the fabric. Pre-filtrating lubrocoolants using a magnetic separator is strongly recommended to limit the consumption of filtering fabric.

Our hydrostatic strainers, type HSFS can be built entirely of stainless steel.