

ITALY

SEA WATER FILTRATION

Project	: Replacing conventional filter with Filternox Self-Cleaning Filter to filter sea water before cartridge filter		
Flow rate	: 200 m ³ /h		
Filter Model	: KFH-WBVV 116508-MR		
Filtration rate	: First Stage	:	100 micron
	: Second Stage	:	25 micron
Operating Pressure	: 3.8 bar		

Filternox achieved a great success in Italy for direct filtration of sea water. Our customer was suffering from frequent replacements of cartridge filter. Therefore, they wanted to remove their conventional filter (with 50 micron filtration level) to get more efficiency from Filternox Filters. They aimed to prolong cartridge filters' life located before Reverse Osmosis.



For this project, Filternox installed its KFH-WBVV 116508-MR filter model. This filter has two stages. The first stage has double effect cleaning mechanism consisting of brush and vacuum cleaning and the second stage has vacuum nozzle cleaning mechanism.

It is able to filter both large and small particles simultaneously in the same filter body. So, the second stage will remove the particles that were not removed at the first stage.



This filter was commissioned on November- 2015 and since then, the life of cartridge filter with the use of Filternox Filter is prolonged by 50%. It has been working successfully without causing any problem.