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All equipment photographs taken by:
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Water filtration system MERMAID

Ultrafiltration

DOE Huzar

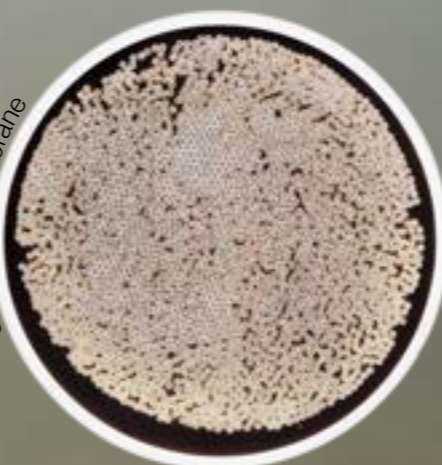
50 um

0.02 um

**NO
FILTERS
CHANGING**



32 m² UF membrane



DOE HUZAR Prefilter

Designed and made by DOE - patented, stainless steel construction is a perfect solution for filtering dirty water from big particles. Huzar is constantly cleaning itself so it doesn't need any cartridge inserts.



MERMAID small

Smallest Mermiad can be installed either on one skid, together with Pelican or delivered on a separate skid. Mermaid small is designed to work together with Pelican small.

application: fresh and salt water without oil

1-3 Tons/day

MERMIAD medium

Standard size for most of the ships. Together with Pelican medium can produce pure clean water from every kind of dirty water.

application: fresh and salt water without oil

3-100 Tons/day



TECHNICAL DATA	
gross weight	
max. dimensions with maintenance space	
frame material	304 SS
pipng	PP/316L
production	20 - 30 T/day
power installed	2 kW
salt water flow	30 - 40 T/day
Feed pump type	open impeller 3m ³ /h
filtration accuracy	0.02 um



DOE HUZAR Prefilter	
filtering surface	300 cm
slot (mesh)	50 um
material	316L SS
type of filtration	continuous self cleaning
consumables	NONE (self cleaning)
filtration accuracy	50 um

ULTRAFILTRATION membrane	
UF membrane type	Inge
type of filtration	cross-flow
surface	32 m ²
consumables	NONE (self cleaning)
filtration accuracy	0.02 um



TECHNICAL DATA	
gross weight	
max. dimensions with maintenance space	
frame material	304 SS
pipng	PP/316L
production	80 - 240 T/day
power installed	3 kW
salt water flow	100 - 300 T/day
Feed pump type	open impeller 15m ³ /h
filtration accuracy	0.02 um

DOE HUZAR Prefilter	
filtering surface	600 cm
slot (mesh)	50 um
material	316L SS
type of filtration	continuous self cleaning
consumables	NONE (self cleaning)
filtration accuracy	50 um

ULTRAFILTRATION membrane	
UF membrane type	Membrana DE
type of filtration	cross-flow
surface	60 m ²
consumables	NONE (self cleaning)
filtration accuracy	0.02 um

