



# BALLAST WATER PRE FILTRATION BARGE 2308

## GENERAL

Yardnumber	
Typical applications	Pre-filtration of ballast water
Typical area of operation	Harbours, Inland waters

## DIMENSIONS

Length moulded	23,00 m
Beam moulded	8,00 m
Depth moulded	2,00 m
Draught design	1,50 m

## CAPACITIES

Filtration capacity	Maximum 4.000 m <sup>3</sup> /h
Sediment load	Maximum 1.500 mg/liter
Filtration mesh	10-100 micron
Deck load max.	8 ton/m <sup>2</sup>
Fuel tank	2 x 10 m <sup>3</sup>
Filters	Automatic flushing
Flow meter	4000 m <sup>3</sup> /h

## DESIGN CONDITIONS

Sea water temperature	0° to +35° C
Outside air temperature	-5° to +45° C

## STANDARD EXECUTION

Filtration container	Filters Installed in a 40'high cube container
Booster pump	4.000 m <sup>3</sup> /h @ 35 m direct diesel driven stage III / IV
Power	100 kW generator.
Hose crane	A hose crane on the crane foundation plate. Three hose connection DN300.
Hose crane foundation	Extra stiffening is integrated in the construction for the execution with a crane. Lifting moment of the crane is related to a heel of 5° of the pontoon.
Manholes	Each void space is fitted with two, flush, single bolted manholes in the main deck.
Ladders	All voids are provided with fixed hot dip galvanized ladders.
Bollards	4 pcs double bollards.
Cathodic protection	Aluminum protection with sacrificial anodes welded on double plates at the bottom.
Lifting eyes	Provided for hoisting of the pontoon.
Railings	Removable stanchions with wire guard rails.
Fenders	On each side of the vessel low friction fenders of recycled plastic.
Masts	A mast and light stands for navigation lights.

## OPTIONAL

Optional	Modular barge
Optional	Diesel driven booster pump stage V

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