



DAMEN BALLAST WATER TREATMENT SYSTEM

“DAMEN LoFlo 90 – SKID”
Powered by BioSea®

GENERAL

Ref number	Damen LoFlo 90 - Skid
Basic functions	Ballast Water Treatment of low flowrates
Description	LoFlo is a compact treatment system specifically designed for inactivation and elimination of organisms contained in ballast water, in order to comply with the IMO D-2 standards.
Classification	Type approved according to IMO Resolution MEPC.174(58) Statutory type Approval Certificate (43175 MMF).

DIMENSIONS

Length	1.5 m
Width	1.0 m
Height	1.85 m
Weight	910 kg

PERFORMANCE

Capacity / Flowrate Ballast	15-87 m ³ /h
Power Consumption	21 kW
UV transmittans	54 %

OPERATING CONDITIONS

Water Temperature	-2 °C to +35 °C
Ambient Temperature	0 °C to +55 °C
Maximum Humidity	95 %
IP Rating	IP54
Head loss	< 0.55 bar
Operating pressure	0.5-10 bar

COMPONENTS

Filter unit	1x Self-cleaning filter
UV unit	3x UV reactor
Control Cabinet	1 x CC with touchscreen
Electronic Ballast	3 x ELC 400/440V / 50/60Hz
Flow meter	1x Krohne electromagnetic flow meter
Valves	Pneumatic butterfly valves
Pump	1 x backwash/drain pump

FILTER UNIT

Filter reference	ACB-906-100 SL
Body material	Bronze aluminum alloy
Screen	20µm, Stainless steel 316L
Volume	15 l

UV REACTOR

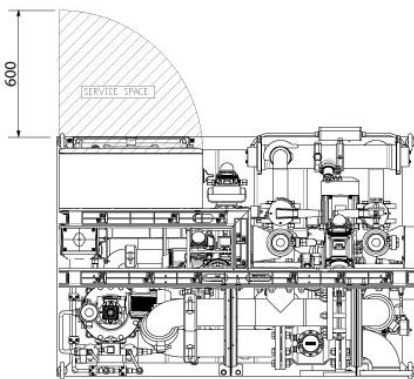
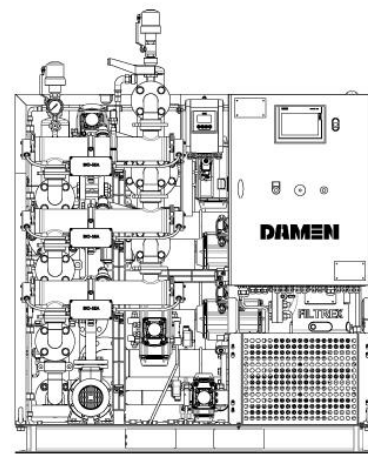
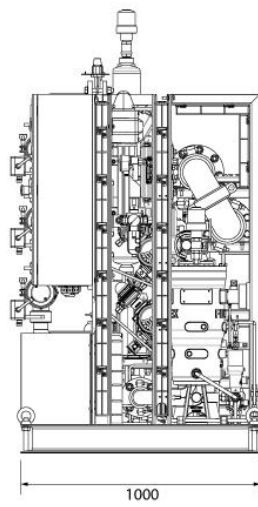
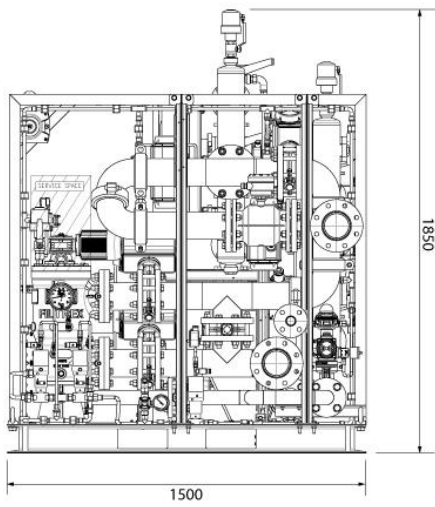
Body material	Copper-aluminum alloy
Lamp type	Medium pressure
Power rating	6 kW
Volume	3.5 l
Flow rate min/max	5-30 m ³ /h

CONNECTIONS

Ballast water inlet	DN 100
Ballast water outlet	DN 100
Fresh water inlet	DN 25
Backwash discharge	DN 32
Stripping inlet/outlet	DN 65
Air inlet	1/4"

OPTIONS

LoFlo 90 is also available in loose components only



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DAMEN

DAMEN GREEN SOLUTIONS

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