GENERAL
Ref number  Damen LoFlo 90 - Skid
Basic functions  Ballast Water Treatment of low flow rates
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 m³/h
Power Consumption  21 kW
UV transmittants  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 m³/h

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

OPTIONS
LoFlo 90 is also available in loose components only

This technical specification is subject to change without prior notice. For the most recent data, please contact Damen Green Solutions.
DAMEN BALLAST WATER TREATMENT SYSTEM
"DAMEN LoFlo 90 – SKID"
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