WORLDWIDE SERVICE PROVIDER
Damen is conveniently located worldwide and is able to deliver services wherever you are.

OUR ADVANTAGES
- Central coordination
- Cost-effective total package
- Optimised turnaround times
- Leverage Damen buying power
- Partnerships
- Secured supply chain
- Logistics support
- Experience, flexibility & trust
- Worldwide service network
- In-depth ballast water treatment knowledge

CONTACT
Please contact us at green@damen.com to discuss the solution that suits you best.
Damen has over 85 years of experience in shipbuilding and marine-related conversions. We offer worldwide, comprehensive and cost effective one-stop-shop retrofit solutions, either as a single turnkey project or as a step by step process – whichever best fits your operation and schedule.

**Combining Capabilities to Help You**

Damen Green Solutions has teamed up with the France-based Bio-UV to develop the smallest ballast water treatment system on the market. By combining knowledge and experience we are able to offer a state-of-the-art solution that has a minimal impact on the ship design, while remaining compliant with the IMO regulations.

**Partnership**

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**Proven Process**

We have applied our ballast water treatment experience in the design of this skid-based system. As a result, it contains proven process technology and components supplied by market leaders. All that is required is a power supply and connection of the ballast water inlet and outlet with your treatment system and you are ready to go.

**Step 1: Mechanical Filtration**

A mechanical filter with a screen of 20µm and automatic backwash removes particles from the water.

**Step 2: UV Lamp**

The remaining water is disinfected using a UV lamp. The ultraviolet light removes even the smallest of invasive species. After this step the quality of the water will comply with the IMO resolution.

**Automatic Operation**

The complete process is automated and monitored and can be controlled via a touchscreen. Integration with the vessel automation system is possible.

**Damen LoFlo 30**

- **Capacity/flowrate:** 15-30 m³/h
- **Length:** 1.50 m
- **Height:** 1.50 m
- **Weight:** 800 kg
- **Power consumption:** 8 kW
- **Water Temperature:** –2 to +35 °C
- **Operating pressure:** 0.5–10.0 bar

**Damen LoFlo 60**

- **Capacity/flowrate:** 15-60 m³/h
- **Length:** 1.50 m
- **Height:** 1.50 m
- **Weight:** 860 kg
- **Power consumption:** 15 kW
- **Water Temperature:** –2 to +35 °C
- **Operating pressure:** 0.5–10.0 bar

**Damen LoFlo 90**

- **Capacity/flowrate:** 15-87 m³/h
- **Length:** 1.50 m
- **Height:** 1.85 m
- **Weight:** 910 kg
- **Power consumption:** 21 kW
- **Water Temperature:** –2 to +35 °C
- **Operating pressure:** 0.5–10.0 bar

The ballast water convention affects all types of vessels. Realising the absence of cost-effective and compact solutions for low ballast water flow rates, we worked together with our partner BioSea to address this challenge.

- Cost-effective
- Small footprint
- Proven technology
- Based on filter and UV technology
- IMO D-2 standard
- AMS certified for USCG