



Alfa Laval Ballast Water Treatment System 9042378 01 Pureballast 3.1

The **Alfa Laval PureBallast 3.1 Ballast Water Treatment System (Part No: 9042378 01)** is a cutting-edge maritime solution engineered to ensure compliance with international ballast water discharge standards. Developed collaboratively by **Alfa Laval Tumba AB, Alfa Laval Copenhagen A/S**, and partnered with top-tier component manufacturers such as **Rittal GmbH & Co. KG, Roxtec**, and **Beijer Electronics**, this system is designed for reliable and efficient onboard water treatment. With a robust capacity of **500 m³/h**, it is suitable for medium- to large-sized vessels and meets **USCG approval** under **certificate number 162.060/2/3**.

At the core of this system is the **PureBallast 3.1 technology**, renowned for its chemical-free UV-based disinfection process. The included **Control Cabinet (Article No: 9025738 80, Ver.2)** manages system operations and power distribution, powered by a **400-440V supply**. Integrated safety features include a **Main Breaker (Rev.3)** and environmental resilience for temperatures ranging from **-30°C to +70°C**. The system utilizes a **Rittal SK 3237.200 filter** and a **24VDC outlet module** rated at **1.5A (36 Watts)**. This setup provides stable, clean operation with high durability in marine conditions.

Key Features:

- PureBallast 3.1 system with **500 m³/h capacity**
- **USCG-certified:** 162.060/2/3
- Maximum working pressure: **6 bar(g)**
- Modular **control cabinet** with Ver.2 configuration
- Designed to operate in harsh environments (-30°C to +70°C)

- Includes components from Rittal, Roxtec, Beijer Electronics


Specifications:


- **System Type:** Ballast Water Treatment System
- **Part Number:** 9042378 01
- **PureBallast Model:** 3.1
- **Capacity:** 500 m³/h
- **Working Pressure:** 6 bar(g)
- **USCG Approval Number:** 162.060/2/3
- **Control Cabinet Article No.:** 9025738 80 Ver.2
- **Electrical Supply:** 400-440V
- **Main Breaker Version:** Rev.3
- **Outlet Filter:** IX T15Br 24VDC, 1.5A, 36W
- **Temperature Range:** -30°C to +70°C
- **Designed In:** USA
- **Assembled In:** Taiwan
- **Weight:** 65.500 kg

Built to meet the rigorous demands of maritime compliance, the **Alfa Laval PureBallast 3.1 (9042378 01)** system provides a dependable and eco-friendly

ballast water management solution. Its modular construction, third-party integrations, and certification make it a preferred choice for vessels navigating international waters.

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