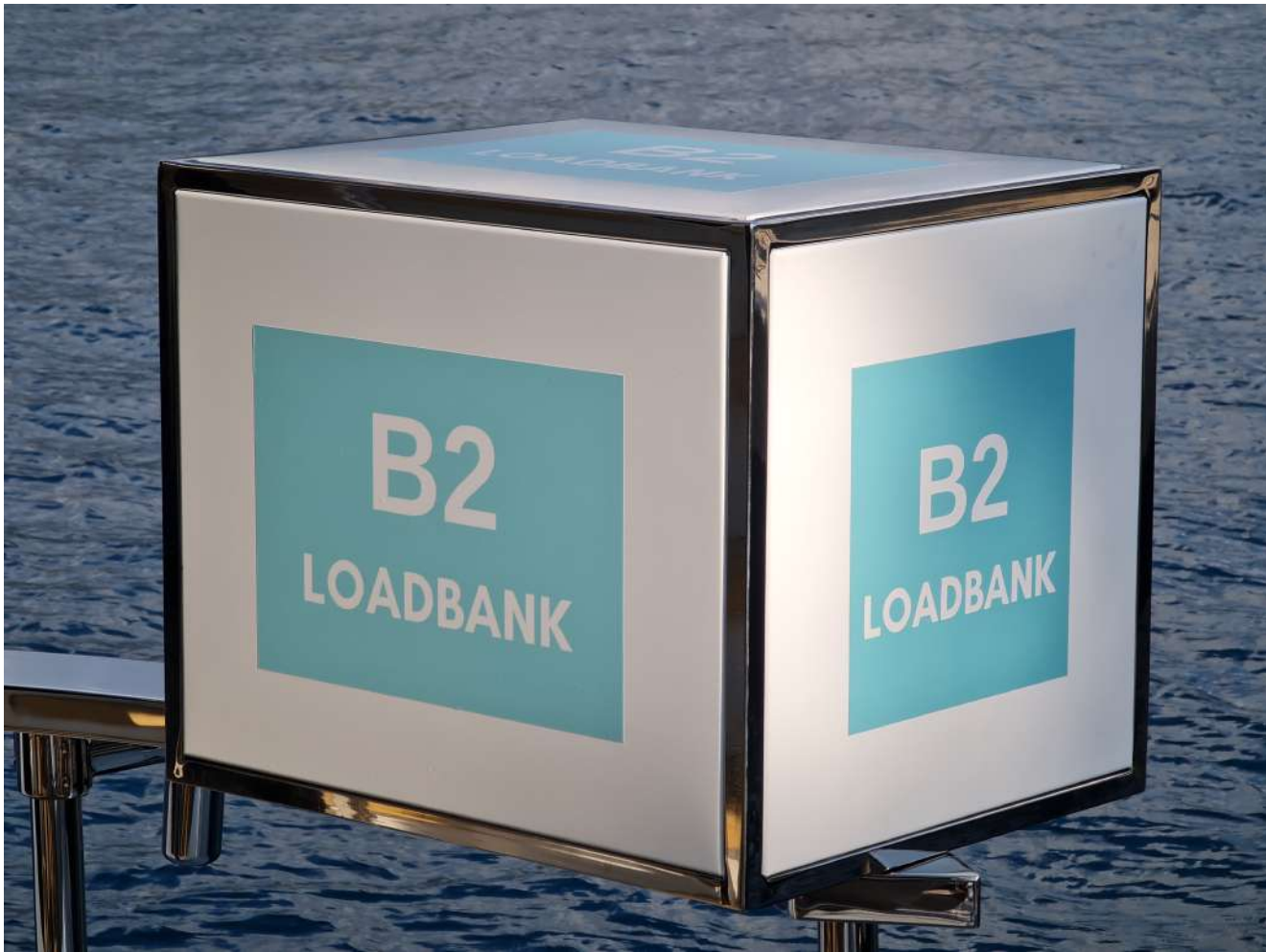


B2 MARINE

LOADBANK



Product Overview

WHAT IS LOAD BANK?

Load Banks are used for performance testing and safe operation of generators.



Load Bank

CONTROL PANEL

- Power : 24VDC Voltage
- Load Active Relay
- 7" Beijer x2 Pro Touch Screen Panel
- System on / off switch
- Power Lamp
- Load Bank is active lamp
- Error Lamp
- Alarm Relay

What Is The Purpose Of

USAGE OF THE LOAD BANK?

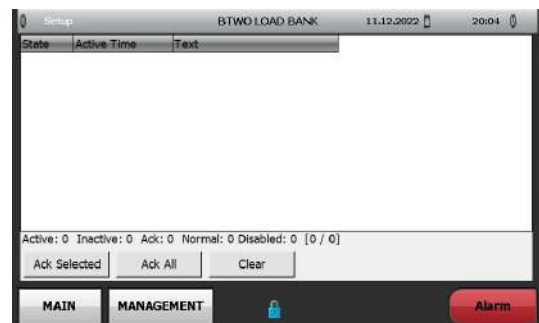
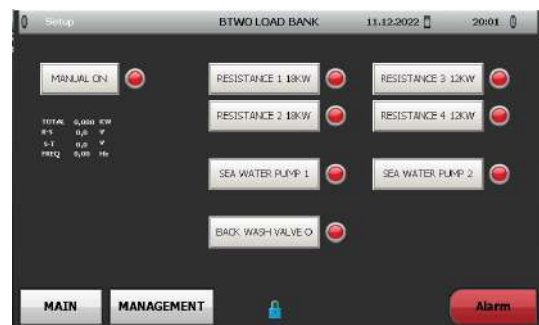
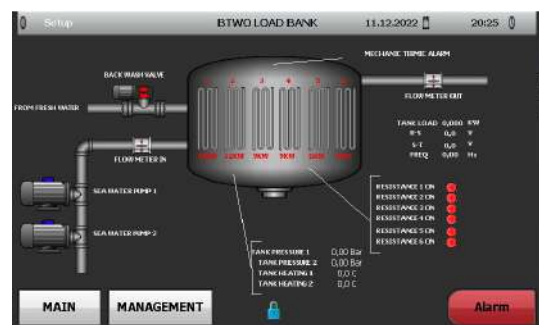
Since the generator cannot always provide the 65% load suggested by the manufacturer, it cannot burn adequately and releases unburned fuel and soot to the sea surface. This causes environmental pollution. Over time, it causes fatigue of the generator and shortens its life.

With the product we have presented to you, the generator is constantly kept at 65% load. If the load amount is missing, it provides the missing amount of load to the generator in automatic mode. If the load is high, the system is automatically deactivated and contributes to its stable operation. With the product, the stated negative situations are eliminated.







What Are The Gains In LONG-TERM USE OF LOAD BANK?

- Ensuring the Operation of Generators in accordance with the Standards Desired by Generator Manufacturers
- Prevention of Environmental Pollution (Prevents Formation of Soot and Unburned Fuel)
- Long Life Time of Generator
- Reduction in Maintenance and Repair Costs

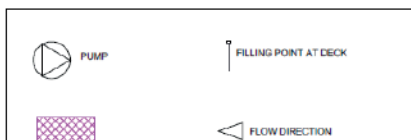
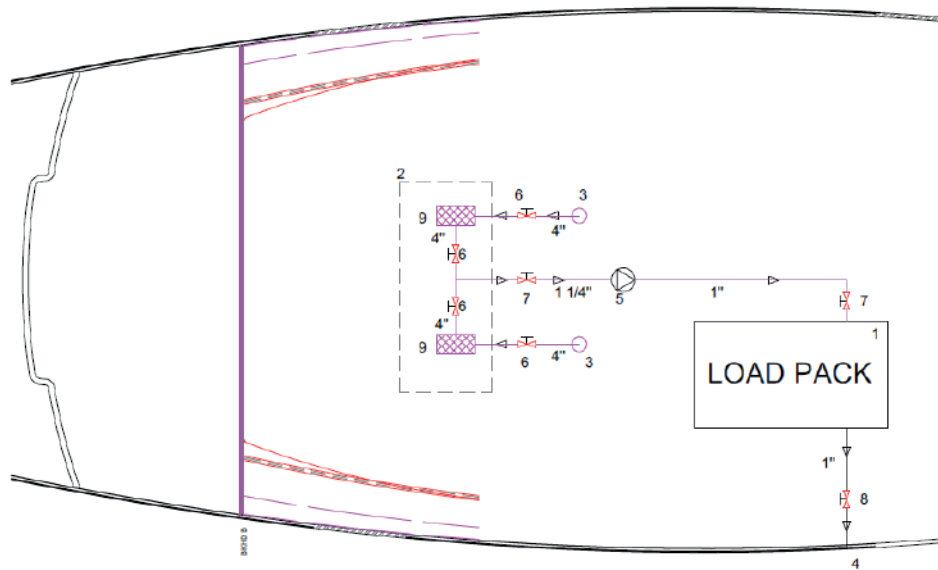
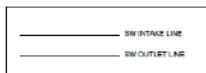
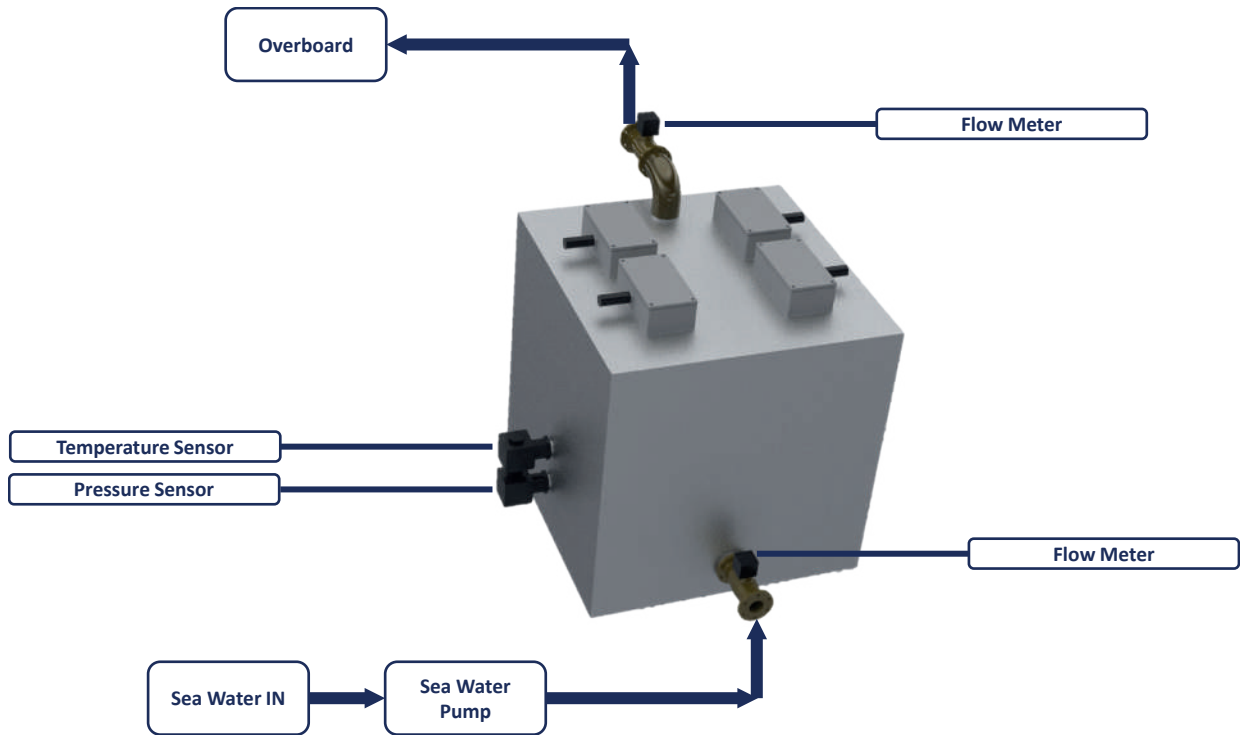


Load Bank TECHNICAL SPECIFICATIONS

	LoadBank Model 54kW	LoadBank Model 81kW	LoadBank Model 108kW	LoadBank Model 135kW
				
Operating Voltage	400V nominal	400V nominal	400V nominal	400V nominal
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Control Panel	Auto / Manuel	Auto / Manuel	Auto / Manuel	Auto / Manuel
Control Input	200 / 5 Current Transformer	200 / 5 Current Transformer	200 / 5 Current Transformer	200 / 5 Current Transformer
Main Control	PLC	PLC	PLC	PLC
Power Steps	6 x 9kW steps	9 x 9kW steps	12 x 9kW steps	15 x 9kW steps
Switching	Contactor, Thermal Relay	Contactor, Thermal Relay	Contactor, Thermal Relay	Contactor, Thermal Relay
Load Elements	6 x 9kW	9 x 9kW	12 x 9kW	15 x 9kW
Tank Construction	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Operating Pressure	0.3 - 1 Bar	0.3 - 1 Bar	0.3 - 1 Bar	0.3 - 1 Bar
Test Pressure	1.75 Bar	1.75 Bar	1.75 Bar	1.75 Bar
Operating Temp.	30°C - 70°C	30°C - 70°C	30°C - 70°C	30°C - 70°C
Cooling	Sea Water	Sea Water	Sea Water	Sea Water
Safety Elements	Input - Output Flowmeter, Temp. Mechanical Thermal, Pressure Sensor, Temperature Sensor	Input - Output Flowmeter, Temp. Mechanical Thermal, Pressure Sensor, Temperature Sensor	Input - Output Flowmeter, Temp. Mechanical Thermal, Pressure Sensor, Temperature Sensor	Input - Output Flowmeter, Temp. Mechanical Thermal, Pressure Sensor, Temperature Sensor
	Dimensions & Weight			
Electric Panel	50*70cm	50*70cm	60*100cm	80*100cm
Draft Weight	130Kg Empty Weight	200 Kg Empty Weight	234 Kg Empty Weight	285 Kg Empty Weight



Load Bank CONNECTION



Load Bank

FREQUENTLY ASKED QUESTIONS

01

Does this system increase fuel consumption?

Yes. Fuel consumption will increase as the generator will operate at a higher load. However, in response to this, the generator will operate at 65% nominal operating value suggested by the manufacturer, thus extending the life of pump maintenance, injector maintenance, piston maintenance and liner maintenance. Thus, the load bank will amortize the fuel burned in 2 years or 4000 hours.

02

Do Class Companies Approve the Use of Load Bank?

Yes. It is not required to notify class companies about the load bank to be used on private boats. But it is suggested. On the other hand, the situation is different for commercial boats. It is mandatory to notify the class organization. All equipments in the load bank must be used in accordance with the class rules and approved. It is sent to the Class organization and the project approval is received. After the installation, the class organization performs the necessary tests and gives the test approval.

03

What is the Warranty of the Product?

There is a 12-month service and parts warranty in accordance with international rules.

04

How Should Planned Maintenance and Follow-Up Be Done?

Planned maintenance should be done by the manufacturer within the scope of warranty. The maintenance to be done after the warranty should be done in accordance with the maintenance table created by the company, which is available to the user.