



Langh Tech



LanghBW
Systems

Ballast Water Management System for ballasting rates from 100 m³/h to 1800 m³/h

Fine filtration + UV-C treatment

Automatic backflushing filter AUTOFILT® RF14

- 20 µm filtration
- automatic backflush
- flow rates 100-1800 m³/h

System side valves

- connection to ballast system

Flow meter

- process control

Reactor unit

- UV-C treatment
- flow rate 100-300 m³/h /reactor
- unit's power range 10-60 kW
- parallel installation for multiple units

LanghBW300

- skid installed
- max. flow rate 300 m³/h

Cooling pump

- ensures long stand-by operation
- closed loop operation
- system self-disinfection

Interconnecting piping

- material steel or GRE

Flow control valve

- pneumatic operation
- quick response to process changes

Technical specification

- **20 µm filtration** and high intensity **UV-C irradiation**
- flow rates **100-1800 m³/h**
- max. power consumption: 22 kW/100 m³/h
- normal power consumption: **11 kW/100 m³/h**
- full flow rate operation in water with UVT value down to 56%
- capable of treating min. 30% of total flow in **UVT down to 45%**
- **no discharge hold time** (IMO)
- marine, brackish and fresh water
- **IMO** and **USCG** approval*

*approvals pending, estimated time for type approval early 2022

Benefits of LanghBW

- high efficient and adaptive system
- low pressure loss over the system
- minimum operation restrictions
- low operation costs
- easy and straightforward user interface
- simple maintenance
- long service intervals
- robust design and high grade materials
- from mariner to mariner:
 - optimized for onboard use
 - affordable cost structure through system's lifespan
 - time preserving operation
 - can be used to increase ballasting capacity

System installation

- **easy installation** in retrofits and new buildings
- **flexible installation** options:
 - framed units
 - separate component installation
 - tailored design
- **compact design** - small footprint and low installation height
- LanghBW600 reference dimensions:
 - L: 2600 mm
 - W: 1200 mm
 - H: 1700 mm
- **easy integration** to vessel's automation system
- installation during on-hire, no dry docking required

For more details, please visit our website at www.langhtech.com and feel free to request a quotation or ask for more information