



INVASAVE 300

MOBILE BALLAST WATER DISCHARGE TECHNOLOGY

Outline Specification

GENERAL

Ref number	InvaSave 300
Basic functions	Receive and treat ballast water of vessels in ports
Description	Mobile ballast water discharge technology
Classification	Statutory Type approval pending Regulation D-2 of the BWM Convention Bureau Veritas class approval CSC type approval CE marking

DIMENSIONS

Length o.a.	45' high cube
Beam o.a.	8'
Width	8'
height	9.6'

CAPACITIES

Capacity	5-300 m ³ /h
Power consumption UV lamps	50-80 kW
Power consumption InvaSave	70-140 kW
Maximum working pressure	8 bar

TANK CAPACITIES

Fuel	1.4 m ³
Fresh water	1.4 m ³
CIP	1.4 m ³

TREATMENT SYSTEM

Booster pump	300 m ³ /h,
Priming arrangement	18 Nm ³ /h
First stage treatment	Fine filtration
Second stage treatment	UV system
Secondary filter	Fine filtration
Flow control	Automated

HOSE REEL

Hose	Optional
Hose connection	Flanged 6"

POWER SYSTEM

Generator	Volvo, TAD752GE
Total power	149 kW
Type	Industrial engine
Emissions	US/EPA Tier 3 and EU Stage 3A

AUXILIARY EQUIPMENT

Network	400V 50Hz / 440V 60Hz
Control air compressor	30 m ³ /h (free air delivery)
CIP pump	5 m ³ /h
Freshwater pressure set	2 m ³ /h
Forced ventilation with chiller and air cooling is provided	

CONTAINER LAY-OUT

Ballast water treatment system	mounted on a removable skid
Hose reel	bolted to the container
Components are designed for maintenance	
Easy removal of components through container doors	

SAFETY EQUIPMENT

Smoke and heat detection	
Water leakage detection inside container	
Fire extinguishers	

CONTROL EQUIPMENT

17" TFT colour graphic screen	
Keyboard with trackball	
Complete automated operation	
Remote operation possible	
Flow meter remote read out	

FEATURES

- The InvaSave can be placed on:
- the deck of a vessel/ barge
 - on a trailer
 - on the shore
 - on a train (for transport)
 - mobile stackable BWT solution
 - designed to operate in parallel with other InvaSave containers



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