MARINE FUEL HOMOGENIZER

Environmental Protection Marine Fuel Homogenizer

ISO9001 Supplier

Class Certificate

Export Supply

Jinbo marine provides a homogeneous fuel structure with droplet sizes below 3 microns. Considering this fact, it is clearly understandable, that the re-agglomeration effect of the contained asphaltenes is widely reduced....



Key Highlights

Category	Marine Fuel Homogenizer
Standard	DIN
Weight / Size	Jinbo marine provides a homogeneous fuel structure with droplet sizes be...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

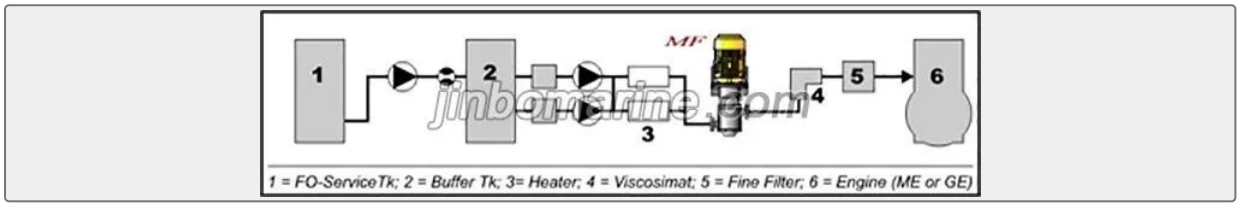
Category	Marine Fuel Homogenizer	**Model / SKU**	Environmental-Protection-Marine-Fuel-Homogenizer
Standard	DIN	**Weight / Size**	Jinbo marine provides a homogeneous fuel structure with droplet sizes below 3 microns.
Surface	Reduced surface layers on turbo chargers, exhaust ducts, boiler walls, piston crowns, piston rings, cylinder liners, etc.	**Certificate**	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	**Origin**	China

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China Environmental Protection Marine Fuel Homogenizer:

Jinbo marine provides a homogeneous fuel structure with droplet sizes below 3 microns. Considering this fact, it is clearly understandable, that the re-agglomeration effect of the contained asphaltenes is widely reduced. The fuel through homogenizer，it will burn to a much higher rate than conventional fuel. For increased power output and widely reduced exhaust emissions.



Benefits
Can use cheapest fuel IFO 700+ without loss of performance.
Stable combustion process, with less emissions like soot, black-spot soot, particulates and NOx.
Reduced agglomeration effects of contained asphaltenes during transfer to Main Engine and Generators.
Reduced surface layers on turbo chargers, exhaust ducts, boiler walls, piston crowns, piston rings, cylinder liners, etc.

Extendable flushing intervals of FO Filters(less sludge generation, increased stability of filter elements, etc.)

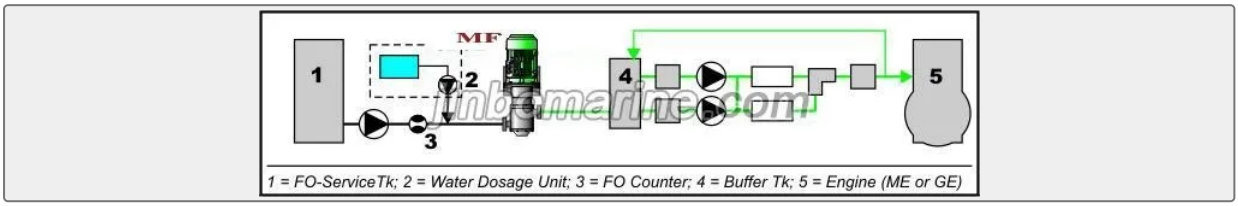
Sludge Reduction

As per analysis of conventional sludge, big amount of asphaltenes, which are of high calorific value, conventionally will be separated, independent of their combustibility, but only because they agglomerated to a larger size than the reference size for separation. Jinbo homogenizer prevents the agglomeration of asphaltenes. With the result, that more fuel is passing the separator, which now is remarkably unloaded from the separation process. Considering these facts, Mcrofuel fuel conditioning improves the fuel handling from the economic and the ecologic point of view.
The Benefits
Sludge Reduction up to 85%
Wasted HFO Reduction by 85%
Short Amortisation Period
Option to reduce Sludge Tank capacity by 50%MARPOL 73/78 Conformity
Reduce sedimentation (Tank Circle)

Fuel Emulsion Device

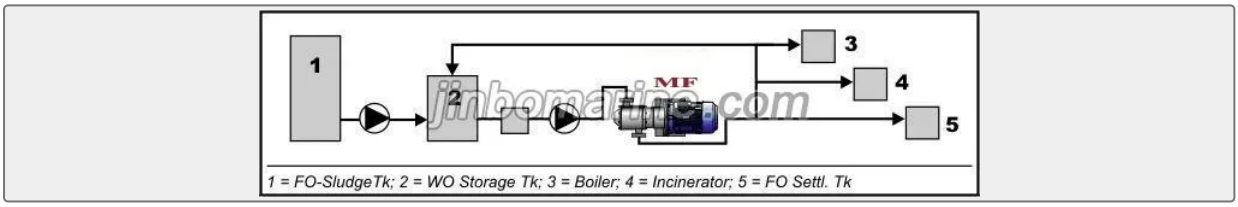
Latest IMO Regulations require the elimination of hazardous NOx- emissions, The Jinbo emulsion device is a cost-effective and functional plant to reduce NOx. It requires only little installation space compared to other solutions and without any engine medifications. The use of a stable water-in-diesel-emulsion is the easiest way to achieve a significant NOx reduction. With the great advantage, our device can be used for all kind of diesel engines from slow speed 2-stroke to high speed 4-stroke engines, without rising fuel consumption. The portion of water is one indication to judge the reducing effect. 1% of water added to the fuel lowers the NOx formation by also 1%. But only when completely emulsified to the fuel. The Jinbo emulsion device is the effective, economic and beneficial solution to operate both existing ships and new buildings in accordance to the IMO 2000 NOx limitations.
The Benefits

Reduced NOx-Emissions
Improved combustion quality
Usable for slow-speed 2-stroke and medium / high-speed 4-stroke engines
No increase in fuel consumption
Usable from light to heavy fuels
Usable for both existing ships and new buildings
Plus, all the advantages of the established Combustion Improve functions



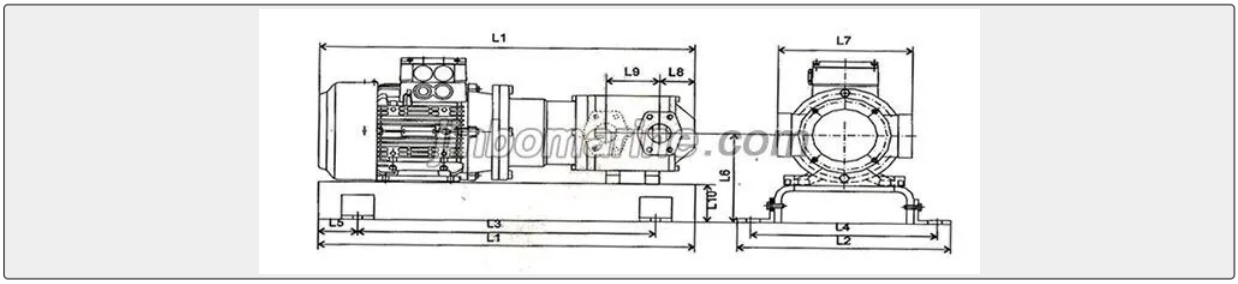
Waste oil Regeneration

Both FO-Sludge and waste oilsnd like luboils etc., generated from engines and aggregates, are obligatory to be stored in separate tank facilities. An on-board disposal or consumption in boilers and incinerator plants is tried to be used, but often only insufficiently possible.
Jinbo Homogeniter offers a functional solution in effective pre-treatment of any remaining FO-Sludges and ordinary waste oils. The fine blended FO-Sludge and waste oils can be easily burned in boilers and incinerators. Additionally the blend made by the plant could be transferred to the FO-Settling tank for consumption in Main Engines and/or Generators, without any operation hampering side effects.



Benefits
Full MARPOL 73/78 conformity as per latest Appendix, Supplement 1 MEPC(Cir. 235 / 11.5.1 The homogenization system should assure that the entire contents of the mixing tank should be processed into a homogenous and combustible mixture.)
Incinerator operation possible without using expensive DO
Rrecoverage of former sludge disposals as valuable operation fuel for use in both Main Engines and Generators
Recoverage of conventional waste oils and oiler residues
Stable blending of FO-Sludge with DO / MDO / HFO if required.

Environmental Protection Marine Fuel Homogenizer Technical Specifications



TYPE	MF30	MF60	MF90	MF120	MF250
L1 – mm	750	890	890	890	1350

L2 – mm	280	420	420	420	560
L3 – mm	500	720	720	720	910
L4 – mm	240	390	390	390	490
L5 – mm	50	130	130	130	220
L6 – mm	170	230	230	230	290
L7 – mm	220	270	270	270	375
L8 – mm	130	170	170	170	200
L9 – mm	110	110	110	110	175
L10 – mm	75	100	100	100	110
Capacity m3/h	< 1.5	< 4.5	< 9.0	< 12.0	< 25.0
Pressure kg/cm2	< 10.0	< 12.0	< 12.0	< 12.0	< 16.0
Temperature Co	< 160	< 160	< 160	< 160	< 160
Viscosity	< 700	< 700	< 700	< 700	< 700
cSt at 50 Co					
Motor Power	3.5/5.5	5.5/6.3	7.5/8.6	9.5/11.0	22.0/25.0
kw/50/60Hz					
Voltage V 50/60Hz	380/440				
R.p.m.	2880/3455	2880/3455	2880/3455	2880/3455	1465.1765
Insulation	IP55/IC411				
Pipe Dia. in/out mm	32/32	40/40	50/50	65/65	100/100
Weight kg	50	110	120	135	190

Packing and Export to Malaysia:

