



# 15ppm BILGE SEPARATOR

## USH-01

# NEW

Conforming to Type Approval Standard MEPC 107(49)

# 15ppm BILGE SEPARATOR

## Feature & Specifications

- Exclusively for marine use.
- Series: USH-01
- Treatment capability: 0.15 m<sup>3</sup>/h
- Exclusive pump/motor is provided inside, so the Separator system occupies no space.
- The product accredited for type approval by the Ministry of Land, Infrastructure and Transport and in accordance with the EC Marine Equipment Directive. ( IMO MEPC.107(49) )
- Carried on board the ships of 340 G/T or below.

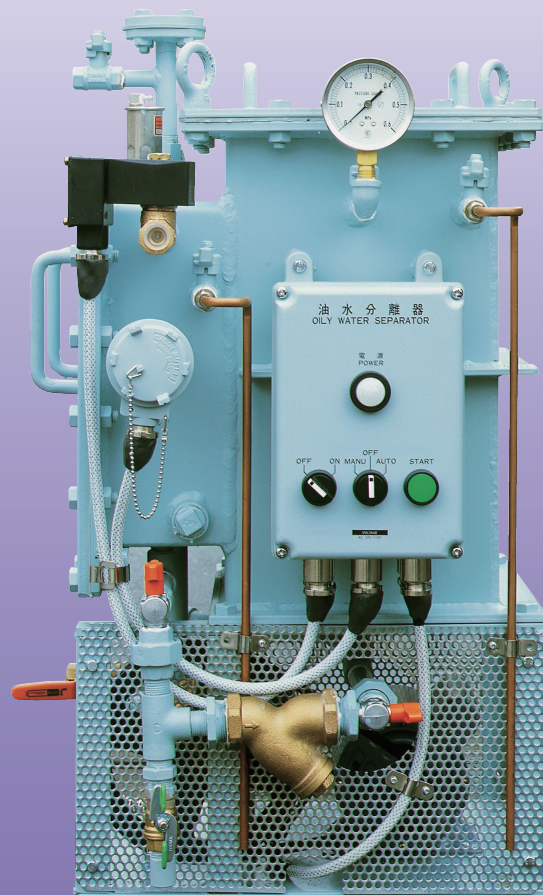
Taiko Kikai Industries Co.,Ltd, which has already sent out three series Oily Water Separators to the market, developed USH series this time as a compilation of its technologies on the machine, in response to effectuation of the resolution MEPC.107(49) (applicable to ships for which the keels are laid down on and after January 2005).

USH series is a state-of-the-art oily water separator with a coalescer long in service life and high in performance, providing remarkable capability of treating not only high-specific gravity high-viscosity oils, but also emulsions containing surface active agents or suspended solids that have been deemed it impossible to treat with conventional coalescers.

In addition, USH series is a customer-satisfaction-oriented oily water separator which has been developed with maintainability in mind. The users can operate it without feeling any stress on themselves even during bilge treatment work on a real ship and become convinced of its prolonged stable performance.

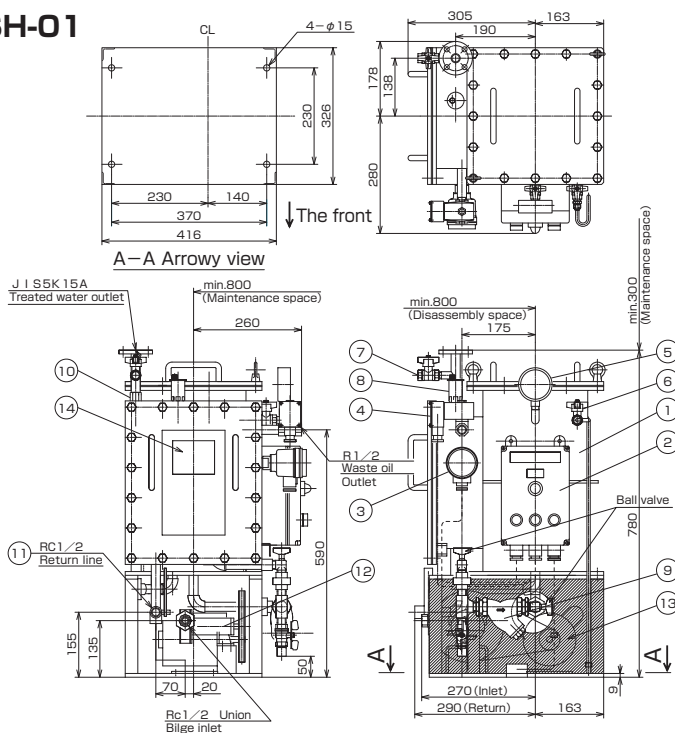
Apart from other USH series (treatment capability: 0.25 to 5 m<sup>3</sup>/h), USH-01 has been developed for use on medium- or small-sized ships. It has high performance for its small size.

In the USH-01 series Oily Water Separator, exclusive pump/motor has been provided inside for the convenience of use. This allows reasonable use of the Separator in any limited installation space.



## Structure & Dimensions

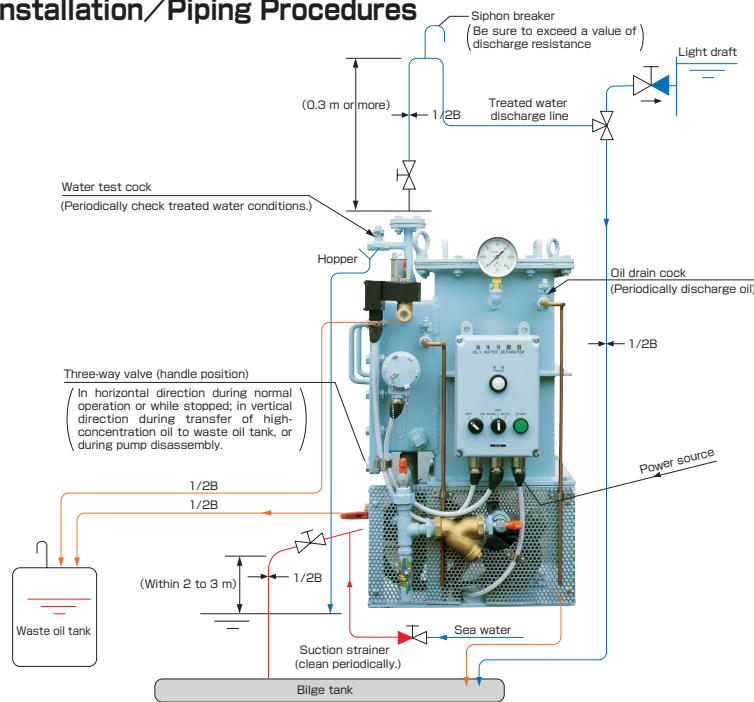
### USH-01



Mass at empty.....120kg  
 Mass at operation.....154kg  
 Power source.....AC100V·500VA (DC24V10A should be for custom-made articles of product)  
 Coating.....Munsell symbol 7.5BG7/2

No.	Name	Material	Q'ty
1	Body	MILD STEEL SS400	1
2	Transmitting converter	AL ALLOY CASTING ADC12	1
3	Oil level detector	AL ALLOY CASTING ADC12	1
4	Solenoid valve	BRONZE CAC	1
5	Pressure gauge		1
6	Oil drain cock	BRASS C3602	1
7	Water test cock	BRASS C3602	1
8	Automatic air vent valve	STAINLESS STEEL SUS304	1
9	Strainer	BRONZE CAC	1
10	Constant flow valve	BRASS C3602	1
11	Three-way valve	BRONZE CAC	1
12	Pump	BRONZE CAC	1
13	Motor		1
14	Nameplate	STAINLESS STEEL SUS304	1

### Installation/Piping Procedures



### Standard Fittings

- Automatic oil drain device (solenoid valve, oil level detector, transmitting converter)
- Automatic air vent valve
- Test cock
- Drain plug
- Pressure gauge and cock
- Constant flow valve
- Exclusive pump (avoid an empty run), motor and V-pulley, V-belt
- Strainer

### Standard Spare Parts

- Automatic oil drain device spare parts (fuse)
- Packing

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