NEW

15ppm BILGE SEPARATOR

Conforming to Type Approval Standard MEPC 107(49)

15ppm BILGE SEPARATOR

Feature & Specifications

● Exclusively for marine use.
● Series: USH-01
● Treatment capability: 0.15 m³/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 m³/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: AC 100V-500V (DC 24V 10A should be for custom-made articles of product)
- Coating: Munsell symbol 7.5BG7/2

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

**Installation/Piping Procedures**

- Siphon breaker (Be sure to exceed a value of discharge resistance)
- Light draft
- Treated water discharge line
- Oil drain cock (Periodically discharge oil)
- Water test cock (Periodically check treated water conditions)
- Three-way valve (Handle position)
  - In horizontal direction during normal operation or while stopped in vertical direction during transfer of high-concentration oil to waste oil tank, or during pump disassembly.

**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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**URL** [http://www.taiko-kk.com](http://www.taiko-kk.com)