



CJC™ OilAbsorb Filter

Absorbs oil - even emulsified - from all kinds of waste water

*Oil content
guaranteed less than
5 mg/L!*



Used to:

- Polish bilge water
- Polish all kinds of waste water

Process & Waste Water



C.C.JENSEN



The CJC™ OilAbsorb Filter

CJC™ OilAbsorb Filter has obtained Type Approval by Lloyd's Register

Key features of the CJC™ OilAbsorb Filter

The CJC™ OilAbsorb Filter is based on a unique absorption principle with a specially developed and patented MLC™ (Multiple Layer Cartridge) filter insert which has obtained Type Approval by Lloyd's Register.



Type approved by Lloyd's Register



Main components

Air Vent

Pressure Gauge

Filter Housing

Easy to remove when changing the insert

CJC™ FilterInsert

Based on a special Multi-Layer-Cartridge System

Filter Base

Constructed with fixture holes

Safety Valve

Inlet

Inlet for contaminated water

Drain Valve

Outlet

Outlet of polished water to be discharged or returned to the system

The CJC™ Insert Filter System

Through a combination of depth-flow and cross-flow filtration, the CJC™ OilAbsorb Filter absorbs even emulsified oils to values as low as 5 mg/L.

The CJC™ OilAbsorb Filter insert is based on a special Multi-Layer-Cartridge System



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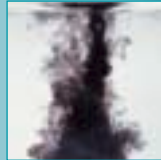
The Problem

Emulsified oil in bilge, process or waste water leads to ineffective separation

Discharge of mineral oil is generally undesirable

Many daily operations such as engine washing, degreasing and washing of vehicles and materials, can result in the conveying of stable, emulsified mineral oil to the sewerage.

Marine



Marine:

The International Maritime Organisation (IMO) stipulates a maximum oil content of 15 ppm for bilge water discharged to open waters. Most ocean-going vessels operate an oily water separator for their bilge water separation system. However, more often than not the oily water separator will only perform to required standard if recently cleaned and in perfect trim. And even then, the oily water separator has problems dealing with emulsified oil.

Industry



Industry:

Oily water separators in land-based industries face problems when dealing with emulsified oil. Ineffective treatment of wastewater or process water leads not only to operational headaches, but also to a great deal of expense, as the water cannot be re-used but has to be disposed at high costs.



The CJC™ OilAbsorb Filter has a large oil holding capacity

The use of detergents and high-pressure washing (or even a combination of the two) typically causes the oil to emulsify. When emulsified, the oil separates very slowly from the water and this causes it to pass right through traditional types of oil separators – both the simple types and the more advanced separators.



In order to reduce environmental impact, legislation is becoming stricter, and companies have to invest a large amount of time, money and resources to meet new environmental standards.

The discharge of mineral oil is generally undesirable because mineral oil contains numerous organic compounds, most of which are not easily biologically degradable. This is generally considered to be hazardous to the environment and health.

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The Solution

Additional filtration refinement (polishing) with the CJC™ OilAbsorb Filter

High and constant oil holding capacity

The CJC™ OilAbsorb filter is developed for a very specific purpose. The patented Multi-Layer-Cartridge system is unique and makes the CJC™ OilAbsorb Filter act as a polishing filter, absorbing even emulsified oil to values below 5 ppm. This guarantees that legal requirements are always met, operational costs are reduced and environmental standards are kept high.

CJC™ Oil-Absorb Filter W38/50



CJC™ Oil-Absorb Filter W38/100



CJC™ OilAbsorb Filter W2x38/100



Principle illustration of bilge water polishing

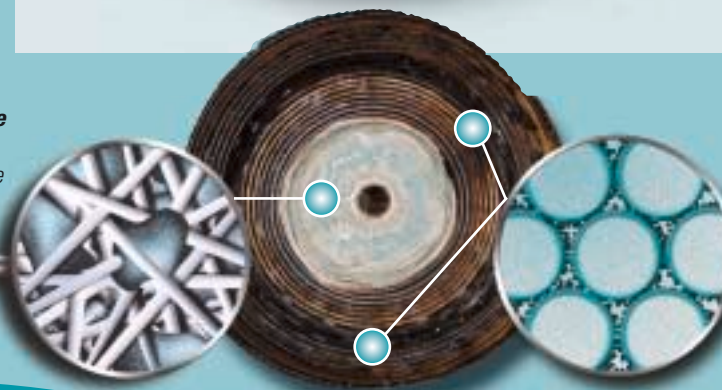
The combination of depth-flow and cross-flow filtration makes the CJC™ OilAbsorb Filter absorb emulsified oil – even to values below 5 mg/L.

The water runs from the outside in. After filtration the water is clean enough for re-use or discharge to local sewerage.

After filtration the oil in water content is less than 5 ppm.

Inner filtration zone
In the inner zone emulsified oil and the smallest oil droplets are absorbed by a

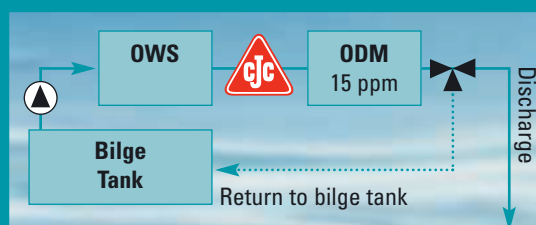
complex pattern of polypropylene fibres



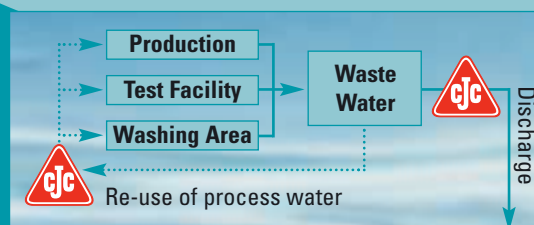
Outer filtration zones
By means of a specially developed and patented Multi-Layer-Cartridge principle, oil droplets

and oil emulsions are absorbed in the two outer zones

Marine: Polishing process - Bilge Water



Industry: Polishing process - Production



3

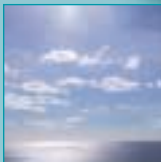
The Result

Increased productivity, reduced operational costs and an enhanced environmental image

Environmental standards are kept high by the CJC™ Oil-Absorb Filter

Investing in a CJC™ OilAbsorb solution will have a significant positive impact on daily operations as well as the environmental image.

Marine



Marine:

In the marine industry the CJC™ OilAbsorb Filter ensures legal compliance with IMO discharge requirements, enhances bilge water system security and reduces the risk of unintended pollution.

Less Maintenance

- Enhances discharge system security
- Easy to use - no maintenance

Increased Productivity

- Reduced production costs and low operational costs
- Easy to install and limited space requirements
- Long and constant oil holding capacity
- Ensures legal compliance with discharge requirements

Enhanced Environmental Profile

- Ensures environmentally friendly operations
- Avoids unintended pollution
- Cleans water down to below 5 ppm oil content

Industry



Industry:

In industries where wastewater or process water is generated, the CJC™ OilAbsorb Filter reduces operational costs and ensures legal compliance. After treatment the process water or waste water is clean enough for either re-use in production or discharge to the sewerage.



For improved economy and environment



C.C.JENSEN



C.C.JENSEN all over the World

The CJC™ Offline Filters are distributed through our international sales organisation and designated distributors

*CJC™
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reliable supply
all over the
world*



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