



## 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**



# Distributor

## Oil Solutions

Phone 0421 336 009  
Fax 03 9012 4332

International

Phone 61 421 336 009  
Fax 61 3 9012 4332

[sales@oilsolutions.com.au](mailto:sales@oilsolutions.com.au)  
[www.oilsolutions.com.au](http://www.oilsolutions.com.au)

PO Box 653 Castlemaine Australia 3450





# 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



# 1

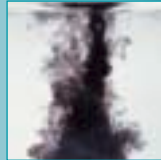
## The Problem

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.

# 2

## 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**

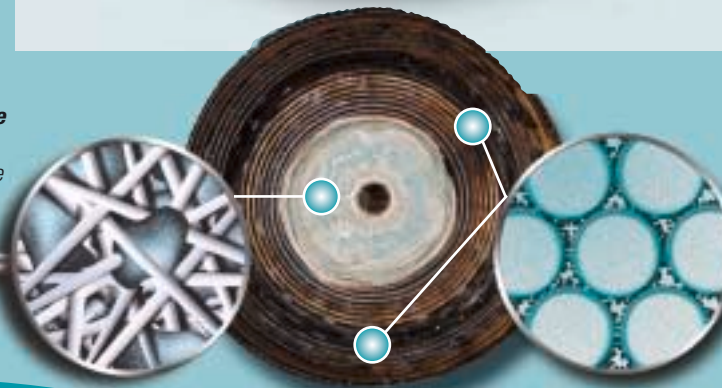
The combination of depth-flow and cross-flow filtration makes the CJC™ OilAbsorb Filter absorb emulsified oil – even to values below 5 mg/L.

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

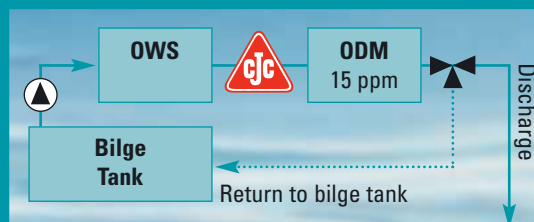
complex pattern of polypropylene fibres



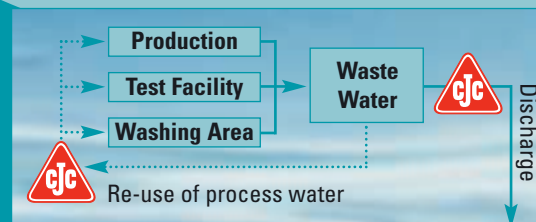
**Outer filtration zones**  
By means of a specially developed and patented Multi-Layer-Cartridge principle, oil droplets

and oil emulsions are absorbed in the two outer zones

#### Marine: Polishing process - Bilge Water



#### Industry: Polishing process - Production



# 3

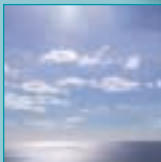
## The Result

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™  
stands for  
reliable supply  
all over the  
world*



### Manufacturer

**Denmark:**

C.C.JENSEN A/S • Løvholmen 13 • DK-5700 Svendborg • Denmark  
Tel.: +45 63 21 20 14 • Fax: +45 62 22 46 15 • E-mail: [filter@cjcdk](mailto:filter@cjcdk) • [www.cjcdk](http://www.cjcdk)

### Subsidiaries

**UK:**

C.C.JENSEN LTD. • Tel. +44 1 388 420 721 • E-mail: [filtration@cjcdk](mailto:filtration@cjcdk) • [www.cjcdk](http://www.cjcdk)

**USA:**

C.C.JENSEN INC. • Tel.: +1 206 789 1710 • E-mail: [ccjensen@ccjensen.com](mailto:ccjensen@ccjensen.com) • [www.cjcdk](http://www.cjcdk)

**Spain:**

C.C.JENSEN Ibérica, S. L. • Tel.: +34 93 590 63 31 • E-mail: [ccjensen.es@cjcdk](mailto:ccjensen.es@cjcdk)

**Poland:**

C.C.JENSEN Polska Sp. z o.o. • Tel.: +48 22 648 83 43 • E-mail: [ccjensen@ccjensen.com.pl](mailto:ccjensen@ccjensen.com.pl) • [www.cjcdk](http://www.cjcdk)

**Netherlands:**

C.C.JENSEN A/S (Nederland) • Tel.: +31 182 37 90 29 • E-mail: [ccjensen.nl@cjcdk](mailto:ccjensen.nl@cjcdk)

**Ireland:**

C.C.JENSEN A/S (Ireland) • Tel.: +353 61 923 225 • E-mail: [ccjensen.ir@cjcdk](mailto:ccjensen.ir@cjcdk)

**Chile:**

C.C.JENSEN S.L. Limitada • Tel.: +56 2 696 9564 • E-mail: [ccjensen.ch@cjcdk](mailto:ccjensen.ch@cjcdk)

**Greece:**

C.C.JENSEN Greece LTD. • Tel.: +30 210 42 81 260 • E-mail: [ccjensen.gr@cjcdk](mailto:ccjensen.gr@cjcdk)

*We are represented all over the world by distributors*

*Find the distributor nearest to you on our website: [www.cjcdk](http://www.cjcdk) - or give us a call.*

*Your local CJC™ distributor*

**Process & Waste Water**

**Headoffice:**

C.C.JENSEN A/S • Denmark  
Løvholmen 13 • DK 5700 Svendborg  
Tel. +45 63 21 20 14 • Fax: +45 62 22 46 15  
E-mail: [filter@cjcdk](mailto:filter@cjcdk) • [www.cjcdk](http://www.cjcdk)

