



May 2020

Statement of compliance

Marine rules and regulations

To whom it may concern

CJC™ Filter Systems – fuel-, hydraulic- and lubricating oil purification

1. Introduction

C.C. JENSEN A/S is the manufacturer and supplier of effective and cost saving systems for purification of oil based fluids.

Equipment for the marine industry is submitted to general rules and requirements for onshore production, and to a large range of rules and regulations targeted for marine and offshore.

All CJC™ Filter Systems for the marine market fulfills relevant statutory rules along with class society regulations.

2. Class approval

- The CJC™ Filter Systems are normally utilized in off-line setup, and regarded as non-essential equipment
- Single unit class approval is not required for this type of equipment, prior to installation.
- Installation of equipment, handling oil in non-essential systems, can be approved by attending class field surveyor onboard the vessel.

3. Design appraisal and compliance reference

All CJC™ Filter Systems for marine and offshore, has been examined by Lloyd's Register and given Machinery General Design Appraisal status, assigned in the Marine Design Appraisal Documents (DAD) ;

- M/I108296 - type PTU1 27
- M/I108297 - type PTU2 27
- M/I108298 - type PTU3 27
- M/I108299 - type HDU 15/25
- M/I122188 - type PTU 15/25
- M/I108300 - type HDU 27
- M/I108301 - type HDU 38
- M/I108302 - type HDU 427

certifying that the CJC™ Filter Systems are designed and principle manufactured according to Lloyd's Register Rules and will support acceptance towards all class societies.





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Thus C.C. JENSEN A/S is fulfilling the requirements from all major class societies by IACS ;

- Lloyd's Register , DNV-GL , ABS , ClassNK , RINA , Bureau Veritas , CCS. These rules and regulations covers generally all ship types and floating offshore constructions , i.e. ;
- Rules and Regulations for the Classification of Ships
- Rules for Classification of Offshore Drilling and Support Units
- Steel Vessel Rules
- Mobile Offshore Drilling Units
- Rules for the Manufacture, Testing and Certification of Materials

4. Class society reference rules

Each class society have own names and numbering of rules, but covers the same topics.

The CJC™ Filter Systems comply to class rules of ;

- Piping design requirements – Class II / III
Examples: LR – Part 5/Chap12.1.5. LR – Part 5/Chap12.1.6. , ABS – Part 4/Chap 6.1 , DNVGL – Part4/Chap6.4 , RINA – Part C/Chap1.10
- Machinery piping systems
Examples: LR – Part 5/Chap 14 , DNVGL – Part5/Chap 6.5
- Other pressure vessels – Class III
Examples: LR – Part 5/Chap 11 , DNVGL – Part 5/Chap 7 , ABS – Part 4/Chap 4 , CCS – Vol 3/Chap 6 , KR – Part 5/Chap 5
- Certification of materials, incl. welding
Examples: LR – Rules for the manufacture, Testing and certification of materials , DNVGL – Rules for classification of ships - .. Part 2/Chap 1&2
- Electrical engineering
Examples : LR – Part 6/Chap 2 , DNVGL – Part 4/Chap 8 , RINA – Part/Vol 2/Chap 2

Materials, i.e. steel, pipes, valves, fittings, pumps, motors, electrical parts, etc., are all within the rules of the class societies.

Further specific rule reference's upon request.

5. Applied standards, directives and procedures

Additional to the maritime rules, all Filter Systems fulfill the;

- Machinery Directive 2006/42/EC

Where usage of flexible hoses, these will be MED / USCG Certified , EU Directive on Marine Equipment 2014/90/EU.

The filter housings of the Filter Systems are pressure tested and according to applicable class rules and Pressure Equipment Directive (PED) (2014/68/EU)

Approved Welding Procedure Specification have been applied according to relevant sections of;

- DS/EN ISO 15613:2005, DS/EN 13445-4/Issue 5:2018, 2014/68/EU (PED), DS/EN 13480-4:2017, DS/EN ISO 15609-1:2019

Welders are certified according to relevant sections of;

- DS/EN ISO 9606-1:2017, DS/EN ISO 14732:2013

Steel work , pipe work , valves, fittings , etc., is manufactured according to relevant sections of applicable industry standards, accepted by class societies , i.e.

- Flat products made of steels for pressure purposes; DS/EN 10028-2:2017
- Welding - Guidelines for a metallic materials grouping system; DS/CEN ISO/TR 15608:2017



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- Hot rolled products of non-alloy structural steels; DS/EN10025-1:2004, DS/EN10025-2:2019, DS/EN10025-3:2019, DS/EN10025-4:2019, DS/EN10025-5:2019, DS/EN10025-6:2019
- Welding - Recommendations for welding of metallic materials; DS/EN 1011-1:2009
- Welding - Recommendations for welding of metallic materials. Arc welding of ferritic steels; DS/EN 1011-2:2001/A1:20004
- Specification and qualification of welding procedures for metallic materials - Qualification by a pre-production welding test; DS/EN ISO 15613:2005
- Welding personnel - Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials; DS/EN ISO 14732:2013;
- Metallic industrial piping; DS/EN 13480-4:2017

Control and safe operation according to relevant sections of;

- DS/EN ISO 13849-1:2015; Safety of machinery - Safety-related parts of control systems

Electrical standards according to relevant sections of ;

- DS/EN 60034-1:2010; Rotating electrical machines
- DS/EN 60204-1:2006; Safety of machinery - Electrical equipment of machines
- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU

All materials used is according to

- C.C. JENSEN A/S's – Environmental Statement.

Fulfilling all IMO rules related to hazardous materials for installation, usage and end life disposal , i.e.:

- Inventory of Hazardous Materials / Green passport IMO MEPC197(62).

6 . Quality system

C.C. JENSEN A/S is manufacturing according to Quality System ISO 9001:2015 certificate:

- 167772-2014-AQ-DEN-DANAK

C.C. JENSEN A/S

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Upon request, individual unit Class Approval Certificates can be supplied.