



# Design Appraisal Document

Lloyd's Register EMEA  
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Date  
**18 February 2026**

Please quote this reference number on all future communications  
**TSO-25-051592-VSZ**

## Machinery General Design Appraisal

Client : CC Jensen A/S, Svendborg, Denmark  
Manufacturer : CC Jensen A/S, Svendborg, Denmark  
Subject : Type PTU2 27 – Oil Filter Separator

This Machinery General Design Appraisal is valid for a period of 5 years from the date of issue or until a change of the Rules, whichever comes first.

This Design Appraisal Document supersedes the previous Document No. CTS-M/1108297, Issue No. 1 dated 10 June 2025.

1. The Documents listed in paragraph 1 of the appendix have been examined for compliance with **LR Rules and Regulations for the Classification of Ships July 2024 incorporating Notice No. 1, 2, 3 and 4, Part 5, Chapters 11, 12, 13 and 14** as applicable and have been assigned an appraisal status as indicated subject to the following:

2. **Product Description**

Makers Designation : CJC PTU2 27/27  
Class : III (piping)  
Design Pressure :  $\leq 0.6$  MPa  
Design Temperature :  $\leq 60$  °C  
Function : Oil Filtration System

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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### 3. Comments

- 3.1. Lloyd's Register must be advised of any design or material modifications. Failure to do so will render this general approval invalid.
- 3.2. Please observe that the requirements of the European Directive "The Marine Equipment Directive" will be applicable for installations on board all EU Flag vessels.
- 3.3. The items referred to in this document are approved for installation on a ship which is classed by Lloyd's Register.
- 3.4. The filter dome is considered as a Class 3 pressure vessel according to Part 5 Chapter 11 1.5.3, although it is not subject to plan approval according to 1.6.1.
- 3.5. It is assumed that piping joints, valves, flanges and other fittings are suitable for the application. For details please refer to Part 5, Ch. 12, as they will be subject to inspection by the attending surveyor
- 3.6. With reference to Part 5, Ch. 12, 4.2 concerning the material of the filter base, it has been noted that substantial positive functional experience has been recorded by the client and therefore the use of grey cast iron, GG20, has been accepted. Part 5, Ch. 12, 4.2.3 is to be considered for pipes, valves and fittings only.

Vishal Shenoy  
Lead Specialist- Piping Systems  
Global Technical Support Office

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## Appendix

1. The documents listed below have been examined

Document No.	Rev.	Title	Status	Date
<b>4609001 (2 sheets)</b>	<b>A</b>	<b>CJC Filterseparator type PTU2 27/27 -Assembly Drawing + Parts List</b>	<b>SI</b>	<b>10 June 2025</b>
<b>1600124</b>	<b>D</b>	<b>Filterfod type PTU2 umalet Bearbejdningstegning</b>	<b>SI</b>	<b>10 June 2025</b>
<b>4801120</b>	<b>D</b>	<b>Hætte for 27/-, 7 bar Skemategning.</b>	<b>SI</b>	<b>10 June 2025</b>
<b>1802302</b>	<b>B</b>	<b>Hus f.forvarmer indstik 500mm</b>	<b>SI</b>	<b>10 June 2025</b>
<b>1200114</b>	<b>A</b>	<b>Stagbolt for PTU2 27/27</b>	<b>SI</b>	<b>10 June 2025</b>
<b>7000645</b>	<b>-</b>	<b>PI Legend</b>	<b>SI</b>	<b>10 June 2025</b>
<b>120223</b>	<b>-</b>	<b>Stagbolt for PTU2 27/27, E-coat</b>	<b>SI</b>	<b>18 Feb 2026</b>
<b>7000635</b>	<b>A</b>	<b>PTU2 27/27 – H1- Certificate II</b>	<b>A</b>	<b>18 Feb 2026</b>

1. The documents listed below have been considered together with the submitted documents in the appraisal

Document No.	Rev.	Title
-	-	<b>PTU2 27/27- CJC Product Sheet</b>
-	-	<b>Design Specifications: E-mail 23/03/2015</b>
-	<b>1.1</b>	<b>CJC Filter Units – Piping Dimensions and Specification</b>

### Appraisal Status Key

A	Approved - provided the arrangements are to the surveyor's satisfaction
SI	Retained as supporting documentation for information only
C	Cancelled

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