Certificate No: LR2011848TA
Issue Date: 29/08/2019
Expiry Date: 28/08/2024

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Sinpro (Dezhou) Industries Co., Ltd.**
Address	No. 1, Industrial Park Road, Ningjin County, Shandong Province, 253400, China
Place of Production	Sinpro (Dezhou) Industries Co., Ltd. No. 1, Industrial Park Road, Ningjin County, Shandong Province, 253400, China
Type	Strainers
Description	Strainer
Trade Name	"AFA" Y-Strainer
Application	Marine and Offshore piping systems.
Specified Standard	LR Rules and Regulations for the Classification of Ships, July 2019 LR Type Approval System Test Specification Number 2, Chapter 3, Appendix 2 – Filter units BS EN1561 BS EN1563

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Qing Dong

Specialist to Lloyd's Register Classification Society (China) Co Ltd
A member of the Lloyd's Register group

19th Floor, 550 Yan An dong Road, Shanghai,
Huangpu District, China

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Ratings

Nominal Diameter (mm):	DN15~DN400
Design Pressure (bar):	10/16
Materials for Body:	Grey Cast IronEN-GJL-250 Spheroidal Graphite Cast Iron EN-GJS-400
Materials for filter net:	Stainless Steel 304

Other Conditions

1. Materials for metallic castings and forgings of Class I and II piping systems are to be produced at a works approved by LR and are to be tested in accordance with the Rules for Materials.
2. The materials used for Y-Strainers are to be suitable for the medium and the service for which the piping is intended onboard. Part 5, Chapter 12, Section 4 refers.
3. Each strainer is to be tested at the manufacture's production facility to a hydrostatic pressure not less than 1.5 times the rated pressure.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Classification Society (China) Co Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2011848TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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