

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 LR Type Approval System.

This certificate is issued to:

PRODUCER	Sinpro (Dezhou) Industries Co., Ltd.
PLACE OF PRODUCTION	No. 1, Industrial Park Road Ningjin Town 253400 Dezhou City Shandong Province People's Republic of China
DESCRIPTION	Strainer
TYPE	"AFA" Y-strainer
APPLICATION	Marine, Offshore pipeline on-board.
SPECIFIED STANDARD	LR Rules and Regulations for the Classification of Ships, July 2013 LR Test Specification No.2, Appendix 2
RATINGS	Nominal Size (mm): DN15-DN400 Design Pressure (Bar): 10, 16 Materials for Body: Grey Cast Iron EN-GJL-250 (BS EN1561) or equal Spheroidal Graphite Cast Iron EN-GJS-400 (BS EN1563) or equal Materials for filter net: Stainless steel 304
OTHER CONDITIONS	For application on a LR classed vessel, the following conditions to be complied with:- <ol style="list-style-type: none">1. Materials for ferrous castings of Class II piping systems are to be produced at a works approved by LR and are in general 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 on-board. Part 5, Chapter 12, Section 4 of the Rules refers.
Certificate No.	14/80040
Issue Date	29 August 2014
Expiry Date	28 August 2019
Sheet	1 of 2



Max Wu
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Lloyd's Register Classification Society (China) Co., Ltd.

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3. Each strainer is to be tested at the manufacturer'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 of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. STS/TA/141670/C Issue number 0 dated 29 August 2014 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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