

Approval Certificate for Quality Assurance System

[Quality Assurance System]



Initial Approval 29th November, 2015

Manufacturer Kangrim Heavy Industries Co., Ltd.
76, Yeondeok-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Rep. of Korea

Product Description KR-QAS
- Type P(Boilers, Exh. Gas Economizers, Air Reservoirs, and IGGs/IGSs)
- Type F(Control Panels)

Approval Condition " See Appendix 1 & 2 "

THIS IS TO CERTIFY that the Quality Assurance System of the above-mentioned company / works including production methods, inspection and testing, quality control and general standards of workmanship has been audited by this Society and that the System is found to be in compliance with the requirement of this Society's Rules and / or of the recognized standards as follows.

Ch. 5 of the Guidance for Approval of Manufacturing Process and Type Approval, etc.

This Certificate is valid until 28th November, 2024

Issued at Changwon, Korea on 8th December, 2021



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME21031171110) and certificate No.(CWN06466-QA001).



KOREAN REGISTER

*General Manager of
Changwon Branch Office*

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.

2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.

3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.

4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as

Product Description and/or Approval Condition

Date of Issue : 8th December, 2021

1. The drawings for Boilers, Exh. Gas Economizers, Air Reservoirs, IGGs/IGSs, and Control Panels thereof are to be approved in accordance with Rule requirements separately from this Approval.
2. This certificate is valid on the condition that an annual surveillance audit for the Quality Assurance System is carried out and found to be satisfactory by this Society.
3. Tests and Surveys for Boilers, Exh. Gas Economizers, Air Reservoirs, IGGs/IGSs, and Control Panels are to be carried out by the manufacturer in accordance with the requirements of the Society's Rules for Classification of Steel Ships and approved manufacturer's Quality Assurance Procedure.
4. The Application for Product Certificate is to be forwarded to KR Changwon Branch Office through e-MESIS together with the manufacturer's test records and material certificates for Certification and endorsement thereon by the Surveyor.
5. Each certified product is to be marked KRQ + Product Certificate No. + Serial No. by the person in charge of the Manufacturing Survey.
6. The special steel KRQ stamp supplied by this Society is to be kept by the person in charge of the Manufacturing Survey.
7. The Confirmation Survey is to be carried out by the Surveyor of KR Changwon Branch Office at least once a year.
8. In case where other organizations especially request witnessing of the test by the Surveyor or there is any problem with the quality of certified products, this Society may directly witness, with prior notice, all the tests for certification of the product in question regardless of the aforestated survey delegation.
9. Major Customer Complaints or Claims, as agreed with this Society, to products certified under this Quality Assurance System shall be reported to this Society.
10. The following documents are to be prepared by the manufacturer and made available at the request of the Surveyor and unscheduled visits with regard thereto shall be also permitted to the Surveyor of this Society;
 - Records for material test, Non-destructive test, Hyd. test, Welding workmanship approval tests and etc. as appropriately.
 - Records for insulation resistance, high voltage, performance, safety & alarm tests.
 - Documents and data for Quality Control Activity.

< The End >

Endorsement for Periodical Audit

Date of Issue : 8th December, 2021

Anniversary Date : 28th November

This is to certify that the Production Quality Assurance Scheme is in compliance with the relevant requirements to obtain / retain the Society's approval in accordance with Ch. 5 of the Guidance for Approval of Manufacturing Process and Type Approval, etc. and is valid until 28th November, 2022.

■ Periodical/Confirmation/Occasional Audit

Periodical/Confirmation/Occasional Audit has been carried out and Annual Plant Audit is valid until

Branch(Office) : _____

Date : _____

Surveyor : _____

■ Periodical/Confirmation/Occasional Audit

Periodical/Confirmation/Occasional Audit has been carried out and Annual Plant Audit is valid until

Branch(Office) : _____

Date : _____

Surveyor : _____

■ Periodical/Confirmation/Occasional Audit

Periodical/Confirmation/Occasional Audit has been carried out and Annual Plant Audit is valid until

Branch(Office) : _____

Date : _____

Surveyor : _____

■ Periodical/Confirmation/Occasional Audit

Periodical Survey has been carried out and the product is valid until

Branch(Office) : _____

Date : _____

Surveyor : _____

Note : The approval will be automatically suspended and the Certificate become invalid if not endorsed annually within 3 months after the anniversary date of this Certificate