



Marine & Offshore

Certificate number: 62895/A0 BV

File number: ACM 135/2802/2

Product code: 2190H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

SAMSON AG

Frankfurt am Main - GERMANY

for the type of product

MISCELLANEOUS PIPINGS FOR SPECIAL APPLICATIONS

REVERSING AMPLIFIER Type 3710

Requirements:

BUREAU VERITAS Rules for the Classification of Steel Ships

BUREAU VERITAS Rules for the Classification of Offshore Units

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 29 Oct 2025

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 29 Oct 2020,

Adama Diene



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarnb.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=ldkglbu63p>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Reversing Amplifier Type 3710

The Reversing Amplifier is used in conjunction with single-acting positioners or limit switches and allows double-acting pneumatic actuators to be operated.

1.1 Identification and technical data:

File number	ACM 135/2802/2
Max. Supply air pressure [bar]	6
Temperature range [°C]	-25 to +80

1.2 Material specification:

Housing and Cover	Aluminium / Stainless steel
Daiphragm plate	Aluminium
Seat and plug	Brass
Daiphragm	FVMQ / PTFE

2. DOCUMENTS AND DRAWINGS:

According to the following document:

Data Sheet	Edition	Designation
T 8392 EN	September 2018	Type 3710 Reversing Amplifier

3. TEST REPORTS:

Not applicable.

4. APPLICATION / LIMITATION:

- 4.1 Reversing Amplifiers intended to operate double-acting pneumatic actuators.
- 4.2 The Reversing Amplifiers will be delivered with the relevant documentation for their maintenance and their operation.
- 4.3 The used materials are to be suitable to the intended services.

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 The Reversing Amplifiers are to be supplied by **SAMSON AG** in compliance with the type described in this certificate.
- 5.2 This type of product is within the category HBV of BUREAU VERITAS Rule Note NR320 and as such does not require a BUREAU VERITAS product certificate.
- 5.3 **SAMSON AG** has to make the necessary arrangements to have its works recognized by BUREAU VERITAS in compliance with the requirements of NR320 for HBV products.
- 5.4 For information, **SAMSON AG** has declared to BUREAU VERITAS the following production site:
SAMSON REGULATION S.A.S, Vaulx-en-Velin / FRANCE
- 5.5 The Reversing Amplifiers are to be pressure tested according to BUREAU VERITAS Rules.

6. MARKING OF PRODUCT:

Each Reversing Amplifier should be marked with:

- Manufacturer's name or logo
- Maximum supply air pressure
- Serial number

7. OTHERS:

It is **SAMSON AG**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

***** END OF CERTIFICATE *****