



Marine & Offshore

Certificate number: 61809/A0 BV

File number: AP4923

Product code: 2643H

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

CONTROL AUXILIARIES

Electropneumatic positioner

Type: TROVIS 3730-3

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 43SB

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: 09 Nov 2025

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 09 Nov 2020,

Dirk Hoepfner



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=dozpeigmog>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The **TROVIS 3730-3-** ... series are electropneumatic positioner devices for linear or part-turn actuators.

Main characteristics:

Degree of protection: IP66
Working pressure: 1.4 to 7bar (20 to 105psi)
Signal range: 4 - 20mA, HART
Enclosure material: Aluminium or Stainless steel
Firmware versions: 2.00.xx

2. DOCUMENTS AND DRAWINGS:

- T 8484-3 EN dated Mar 2019; EB 8484-3 EN dated Mar 2019
- 1050-1550 dated 28.8.18; 1380-2509 dated 08.02.18
- SQP TROVIS 3730-3 Rev.:01 dated 2020-09-18; SW history 4000158600 Rev.:00 dated 03.06.2019
- BVS 18 ATEX E 044 X dated 2018-06-07; BVS 18 ATEX E 045 dated 2018-06-07

3. TEST REPORTS:

- Phoenix Testlab: E190720E1 dated 02.04.2020; U190720E1 dated 08.04.2020
- Samson: Pressure test dated 2020-04-20

4. APPLICATION/LIMITATION:

- 4.1 - Bureau Veritas Rules for the Classification of Steel Ships
- 4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
- 4.3 - Bureau Veritas Environmental Category: **EC Code: 43SB**
- 4.4 - Only Hardware tested in compliance with the regulations as referred to in page one, according to the declaration of the manufacturer is covered by this certificate.
- 4.5 - The equipment, once installed on board ship, is to be tested in accordance with the above referred Regulations under the supervision of a Society's Surveyor.
- 4.6 - Ex-certification is not covered by this certificate. Applications in hazardous areas are to be approved in each case according to the Rules and Conditions for Safe Use specified in a valid Ex-Certificate issued by a Notified or Recognised Certification Body.

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above mentioned products 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 BV product certificate.
- 5.3 - **SAMSON AG** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products :

SAMSON AG
Weismüllerstraße 3
60314 Frankfurt
GERMANY

6. MARKING OF PRODUCT:

- Maker's name or trademark
- Equipment type or model identification
- Date of manufacture and/or serial number
- Ex marking, as relevant

7. OTHERS:

It is the responsibility of **SAMSON AG** 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 ***