



Marine & Offshore

Certificate number: 28259/B0 BV

File number: ACM 165/25/01

Product code: 0040H

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

AXCES BV

SL THOLEN - NETHERLANDS

for the type of product

SPARK ARRESTERS

Spark arresters type CP and SA

Requirements:

- Bureau Veritas Rules for the Classification of Steel Ships

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 is a renewal of certificate N° 28259/A0 BV expiring on 19/06/2017

This certificate will expire on: 19 Jun 2022

For Bureau Veritas Marine & Offshore,

At BV KATOWICE, on 06 Jun 2017,

Wojciech Lubojanski



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 SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

Spark Arrester Type SA & CP

1.1 Rating

Type	Size
SA	1-1/2" to 60"
CP35	1-1/2" to 40"
CP40	2" to 40"
CP45	3" to 40"

1.2 Materials & components:

Body :	S235JR, S355JR, 304/304L, 316/316L, 316Ti.
End Plate :	S235JR, S355JR, 304/304L, 316/316L, 316Ti.
Pipe :	S235JR, S355JR, 304/304L, 316/316L, 316Ti.
Sheet Metal :	S235JR, S355JR, 304/304L, 316/316L, 316Ti.
Flange* :	S235JR, S355JR, 304/304L, 316/316L, 316Ti.

When other choices of materials are used per manufacturer's instructions, the BV agreement will be obtained.

** For SA type*

2. DOCUMENTS AND DRAWINGS

2.1 Drawings of type SA arresters: SA1_5 to SA60_0 as provided on 19/04/2012

2.2 Drawings of type CP arresters: CP35_1_5 to CP35_40_0; CP40_2_5 to CP40_40_0; CP45_3_0 to CP45_40_0 as provided on 19/04/2012

2.3 Test procedures as provided on 19/04/2012

No departure from the above documents shall be made without the prior consent of the Society. The manufacturer must inform the Society of any modification or changes to these documents and drawings.

3. TEST REPORTS

Test reports of functional testing for types SA and CP according to norm EN1834-1:2000 as provided on 19/04/2012

4. APPLICATION / LIMITATION

4.1 Spark arresters can be used as silencer of main diesel engines piping.

4.2 Materials of spark arresters are to be resistant to exhaust gases and suitable for the maximum temperature expected.

4.3 Installation arrangement will comply with manufacturer's instructions and Bureau Veritas Rules.

5. PRODUCTION SURVEY REQUIREMENTS

5.1 The products are to be supplied by **AXCES BV** 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 **AXCES BV** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

For information, **AXCES BV** has declared to Bureau Veritas the following production site:

AXCES PRODUCTION SP. Z O. O. MLYNY 29, 37-550 RADYMNO, POLAND

6. MARKING OF PRODUCT

The Products should be marked with:

-Manufacturer's name or logo

-Size

-Type

7. OTHERS

It is **AXCES BV**'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 *****