



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. M-12124

Holder of Certificate

BBM Akustik Technologie GmbH
Planegg, Germany

This is to certify that the
Spark Arrestor

with type designation(s)
Spark arrestor Type DARI 1.0

is found to comply with

Det Norske Veritas' Rules for Classification of Ships/High Speed and Light Craft
DNV's Offshore Standard DNV-OS-D101 "Marine and Machinery Systems and Equipment"
NS-EN 1834-1

Application

The spark arrestors are approved for areas where emission of exhaust gases is permitted onboard ships and mobile offshore units.

Høvik, 2012-11-09
for Det Norske Veritas AS


This Certificate is valid until
2016-12-31



Torill Grimstad Osberg
Head of Section



DNV local office:
Essen CMC Southern Germany



Amir Dzaferi
Surveyor

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Certificate No.: M-12124
File No.: 779.70
Job Id.: 262.1-014440-1

Product description

Spark Arrestor, Type DARI 1.0
Range of inlet pipe diameter 219.3 - 3500 mm

Place of Production

Manufacturer	BBM ACOUSTIC (India) Pvt. Ltd.	BBM Akustik Industrie GmbH
Address	266, Bhare, Post-Ghatawde (near Mseb Substation), Pirangut Tal. Mulshi, Pune-412 108	Ziegelweg 7 01640 Coswig
Country	India	Germany

Application/Limitation

The spark arrestors are approved for areas where emission of exhaust gases is permitted onboard ships and mobile offshore units. The spark arrestor is to be used in exhaust gas pipes of combustion engines.

Type of arrestor has to be chosen according to maker's instructions.

Type Approval documentation

The approval is based on the following documentation:

- Drawing 14535 A 1/6 Rev.0 dated 2012-10-29 and 14535 A 1/5 Rev.0 dated 18.10.2011.
- Manufacturers test report (measurement report) Doc. No. 14535-IRP-01 dated 2011-10-27, signed and stamped by the attending surveyor.
- Det Norske Veritas Survey report No.: ESN-11-34700, dated 2011-10-27.

Tests carried out

Tested according to EN-1834-1:2000 chapter 6.4.1, measurement report Doc. No. 14535-IRP-01 dated 2011-10-27.

Marking of product

The product is to be marked with manufacturer's name or trademark and type number identification.

Certificate retention survey

For retention of the Type Approval, DNV surveyor shall perform a survey every second year and before expiry date of this certificate to verify that the conditions of the type approval is complied with.

Other conditions

DNV product certificate is not required.