

CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	Witt & Sohn A.G.
Address	Wuppermannstrasse 6-10 D-25421 Pinneberg Germany
Type	FIRE DAMPER (STANDARD FIRE TEST)
Description	Single Blade Fire Damper – Type: "BK/D/A-60/200/200/5/St/el" (Decks Only)
Specified Standard	IMO Res. MSC.61(67)-(FTP Code) Annex 1 Part 3 IMO MSC/Circ.1120

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue	6 December 2010	Expiry date	5 December 2015
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Certificate No.	SAS F100383
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Signed	
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Sheet No	1 of 2
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Name	B. McDonald Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group
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Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

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DESIGN APPRAISAL DOCUMENT

Date 5 November 2010	Quote this reference on all future communications LDSO/SFS/TA/BM
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F100383

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

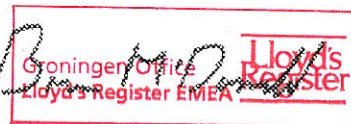
TÜV Nord Bauqualität GmbH & Co. KG, Brandversuchshaus Hamburg, Germany, Test Report Nos. GH00.11.1, dated 6 October 2000 and GH00.24.1, dated 9 October 2000.

CONDITIONS OF CERTIFICATION

1. For use in 'A-0', 'A-15', 'A-30' and 'A-60' decks with ducting suitably insulated.
2. Maximum size of duct: 200 mm x 200 mm.
3. Maximum clear opening size of damper 200 mm x 200 mm.
4. For use in decks only.
5. When using fusible link switch/ actuator, Belimo BAE 72 - S, Belimo BF230 - T or Fusible Link SK10/100.
6. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.

PLACE OF PRODUCTION

Witt & Sohn A.G.
Wuppermanstrasse 6-10
D25421 Pinneberg
Germany



Bruce McDonald
Statutory Fire & Safety Manager
London Design Support Office
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).