



Germanischer Lloyd

Approval Certificate

This is to certify, that the product identified below has been tested in accordance with the relevant procedures as contained in the Fire Test Procedure Code (IMO-Res. MSC.61(67)) and was found in compliance with the applicable performance criteria contained in the specified standard.

Certificate No. **43 316 - 02 HH**

Company **Actionair
Ruskin Air Management Ltd.
South Street
Whitstable, Kent CT5 3DU, UNITED KINGDOM**

Product Description **Single/ Multi Blade Fire Damper - Type "Marine"**

Product Type **Fire damper**

Approval Standard **-IMO Res.A.754(18),
-IMO Res.MSC.61(67), Annex 1, Part 3.**

Documents **Test report nos. : TE 201588 of 02.01.2001, TE 202091 of 28.02.2001 and 208147 A of 17.05.2002 issued by BRE Fire and Risk Sciences Division, United Kingdom, 2005CS013898 of 13.10.2005 and 2006CS013874 of 11.10.2006 issued by RINA, Italy.**

Application **The above product may be applied on ships classed with Germanischer Lloyd and on ships for which the Society is responsible for the issue of the relevant certificate required by the "International Convention for the Safety of Life at Sea, 1974" including amendments as authorized by contracting governments.**

Remarks **None**

Valid until **2011-03-02**

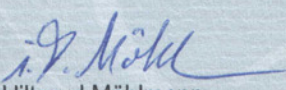
The company must inform Germanischer Lloyd of any modification or changes to approved product in order to obtain a valid certificate.

Page 1 of 2

Hamburg, 2007-08-14

Germanischer Lloyd


Dr. Dieter Krüger


Hiltraud Möhlmann

The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable.
German law applies.



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principle components:

automatic single/ multi blade fire damper according to drwg. nos.: RD14448, RD14382, RD14388 and RD14650 .
[size: 100 x 100mm to 1000 x 1000 mm].

actuation of the fire damper:

- manual,
- automatic (spring loaded) with fusible link (72°C),
- electric
- pneumatic (PTR).

application:

The fire damper construction may be fitted in ventilation ducts penetrating class A-0, A-15, A-30 and A-60 bulkheads and decks. The steel duct/ coaming shall be insulated in an approved manner. The fire insulation of class A-15, A-30 and A-60 divisions shall be extended along the duct for a distance of at least 450 mm.

installation:

Installation on board according to manufacturer's instruction.

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Page 2 of 2

Hamburg, 2007-08-14