

Ruskin Air Management Limited

Joseph Wilson Industrial Estate
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Product: Fire Damper

Model: A-60 Rectangular & A-60 Circular (Rectangular Damper with Adaptor Plate)

Intended Service:

Ventilation ducting which penetrates "A" Class divisions as indicated in Ratings

Description:

A-60 Rectangular - Single or multi-bladed fire dampers using the following means of actuation: Actionair ETR72 Thermal link or PTR Pneumatic Thermal Release.

Ratings:

- 1) Bulkhead (Vertical) Orientation A-60 Rectangular Marine Fire Damper; Maximum dimension - 750 x 750 mm; For Multiple Damper configurations the maximum dimension - 1580 x 750 mm (made up as 2 off 750 x 750 mm Fire Dampers joined with central joining strips giving an additional 80 mm Centre join, see Dwg RD14394).
- 2) Deck (Horizontal) Orientation A-60 Rectangular Marine Fire Damper; Maximum dimension - 1000 x 1000 mm.
- 3) For use in Bulkheads (Vertical) and Deck (Horizontal) Orientation with Actionair (Electro Thermal Release) ETR72 Thermal link c/w Spring Return, PTR Pneumatic Thermal Release and Hytork XL0071-S9 Pneumatic Actuators c/w Spring return.

Service Restrictions:

- 1) Dampers manufactured from materials other than those used in the fire tests, and, 316 stainless steel of 1.2 to 3 mm for the frames and 0.5 mm for the blades, are not covered by this Product Design Assessment.
- 2) Restrictions for A-60 Marine Fire Dampers, A-60 insulation is to be installed to an extended distance of 450 mm minimum on either side of the damper when the damper is located against the vertical or horizontal fire division.
- 3) A-60 Marine Fire Dampers coaming thickness is to be in accordance with SOLAS Regulations II-2/16.3 and II-2/16.4.
- 4) Where Administrations require the dampers to satisfy both the insulation and integrity criteria of Appendix A.II of IMO Resolution A.754(18), insulation of the damper coaming is to be appropriate for the "A" Class divisions being penetrated.
- 5) Details of manual operation and indicator device are to be submitted for each application.
- 6) The damper is to be provided with an automatic closing arrangement.
- 7) This Type Approval is not to be considered a substitute for a Flag Administration's approval for the purpose of SOLAS 74/78 and Amendments unless specifically directed by the Administration.
- 8) Unit certification is not required for these products.

Comments:

Only Actuators as indicated are acceptable.

Notes/Documentation:

BRE assessment report number CC213757 dated 25 June 2004; BRE Test Report Number 208147A dated 17 May 2002 (Deck) & BRE Test Report Numbers TE 202091 (Bulkhead) dated 28 February 2001 and IE 201588 dated 2 January 2001 (Deck)

Term of Validity:

This product/model is covered under Product Design Assessment (PDA) Certificate # 05-LD494551-PDA, dated 19/May/2005 This PDA Certificate expires May of 2010 It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

STANDARDS**ABS Rules:**

2005 Steel Vessel Rules 1-1-4/7.7



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International:

IMO FTP Code Resolution A.754(18), IMO FSS Code, IMO SOLAS 74/78 (2000 Amendments) Regulations II-2/9 7.3.1.2, 9.7.2.1.1.3, 9.7.2.2.1.2, 9.4.1.1.8 & 9.3.1

