

消防處  
牌照及審批總區  
通風系統課  
九龍尖沙嘴東部康莊道一號  
消防處總部大廈五樓



FIRE SERVICES DEPARTMENT  
LICENSING & CERTIFICATION COMMAND  
Ventilation Division  
5/F, Fire Services Headquarters Building,  
1 Hong Chong Road, Tsim Sha Tsui East, Kowloon

本處檔號 Our Ref.: FP(LC) 316/13  
來函檔號 Your Ref.: 6016  
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6 May 2008

Star Glory Technologies Limited  
Room 1702, 17/F.  
Workingberg Commercial Building  
41-47 Marble Road  
North Point  
Hong Kong  
(Attn. Mr. Paul CHAN)

Dear Sir,

**Actionair Hot/Shield Series PTC 2501, 2601 and 2701  
Combination Fire & Smoke Damper**

I refer to your above letter of 4.10.2007 enclosing a set of test and assessment report on the performance of the captioned dampers under fire condition and the supplementary assessment reports passed to this office on 24.4.2008.

I would like to inform you that I have no in principle objection to the use of Actionair Hot/Shield PTC Series 2501, 2601 and 2701 combination fire and smoke dampers in smoke extraction system subject to compliance with Part IV and Part XI of FSD Circular Letter No. 4/96, the Code of Practice for Minimum Fire Service Installations and Equipment, 2005 Edition and in accordance with the details shown below:

- Manufacturer : Ruskin Air Management Ltd., U.K.
- Model : "Actionair" Hot/Shield PTC Series 2501, 2601 and 2701 Combination Smoke Management and Fire Damper and Associated Control Modes
- Construction : Double skin galvanized steel casing with 75 mm double skin aerodynamic interlocking stainless steel blades fitted with silicon seals. The casing is completed with fully welded spigot connections suitable for rectangular, circular or flat oval ducts.
- Actuator : The electric actuator (Actionair Control Mode with electro-thermal release (operating temperature  $\leq 69^{\circ}\text{C}$ ) and spring return) is housed inside a "Furmanite" thermal enclosure and coupled to the damper.

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- Mounting : Vertical and horizontal
- Maximum Module : Rectangle: 1,000 mm x 1,000 mm  
Sizes : Circular: 1,000 mm diameter  
Oval: 1,000 mm x 500 mm
- Installation Method : In accordance with the manufacturer's recommendations
- Test/Assessment : By British Research Establishment for fire resistance and  
Reports leakage  
a) Assessment Report No. CC 343049 of 22.4.2008  
b) No.: 236509A of 25.5.2007  
c) No.: 236509B of 23.7.2007
- By Chatfield Applied Research Laboratories Ltd for cycling  
test  
a) No.: RLR5 of 23.10.2003
- Test /Assessment : a) BS 476: Parts 20/22: 1987  
Standards : b) ISO 10294-1 / EN 1366-2  
c) UL 555S
- Test Results : a) BS 476 Parts: 20/22: 1987 – 120 minutes integrity  
b) ISO 10294-1: 1996 and EN 1366-2: 1999 – 120ES  
c) Temperature Exposure Test - 300°C for 2 hours  
d) Leakage - Comparable to Class II of UL 555S  
e) Cycling test - Satisfy the requirements of UL 555S
- Remarks : a) This assessment is subject to review by May 2011.

Yours faithfully,



(HO Kwok-fu)  
for Director of Fire Services

KFH/

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