

26 JUN 2002

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牌照及審批總區  
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消防總部大廈



FIRE SERVICES DEPARTMENT  
LICENSING AND CERTIFICATION  
COMMAND

FIRE SERVICES HEADQUARTERS BUILDING,  
No. 1 Hong Chong Road, 5/F.,  
Tsim Sha Tsui East, Kowloon,  
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19 June, 2002

Extensive Trading Co., Ltd.  
8/F, Chaiwan Industrial Centre Building  
20 Lee Chung Street  
Chaiwan  
Hong Kong

Dear Sirs,

**Application for Approval of Water Mist Fire Protection System**

I refer to my previous letter of 7.3.2002 on the captioned subject.

The proposed use of the following water mist system, which was certified by VTT Building and Transport / Fire Technology (VTT), is acceptable to this Department :-

<b>Manufacturer</b>	Phirex Australia
<b>Type/Model</b>	FOGEX Water Fog Fire Protection System
<b>System Components</b>	<ul style="list-style-type: none"> <li>i) Nozzles           <ul style="list-style-type: none"> <li>a) FOGEX F20, Flow rate = 0.4 l/min, k-factor = 0.64 l/min/bar<sup>1/2</sup></li> <li>b) FOGEX F27, Flow rate = 5.3 l/min, k-factor = 0.53 l/min/bar<sup>1/2</sup></li> </ul> </li> <li>ii) Electric Pump Unit Type FALCH R5, Working Pressure Range = 30 to 150 bar, Maximum Flow Rate = 100 l/min</li> </ul>
<b>Fire Test Protocols</b>	i) IMO MSC/Circular 668, ANNEX, APPENDIX B : Interim Test Method for Fire Testing Equivalent Water-based Fire-extinguishing Systems for Machinery Spaces of Category A and Cargo Pump Rooms;



- Fire Test Protocols**
- ii) IMO MSC/Circular 728, ANNEX, Amendments to the Test Method for Equivalent Water-based Fire-extinguishing Systems for Machinery Spaces of Category A and Cargo Pump Rooms contained in MSC/Circular 668, ANNEX, APPENDIX B June 1996; and
  - iii) Draft Performance Requirements for Fine Water Spray Systems for the Protection of Combustion Turbines, Machinery Spaces, and Special Hazard Machinery Spaces with Volumes Exceeding 9175 ft<sup>3</sup> (260 m<sup>3</sup>).
- Applications**
- i) For the protection of machinery spaces of Category A and cargo pump rooms in enclosures with volumes up to, and including 500m<sup>3</sup>; and
  - ii) For the protection of combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 500m<sup>3</sup>.
- Support Documents**
- i) Test Report No. RTE 1132/00 issued by VTT on 4 June 2001; and
  - ii) Test Report No. RTE 2720/00 issued by VTT on 4 June 2001.

Please note that the above acceptance is subject to :-

- i) all conditions as stipulated in the above-mentioned test reports being complied with;
- ii) the installation conforming to all applicable requirements as stipulated in NFPA 750 Standard on Water Mist Fire Protection Systems currently enforced; and
- iii) the criteria as stipulated in Part III Water Mist Fire Protection System of FSD Circular Letter No. 4/2001 being complied with.

Yours faithfully,



(LAU Kwai-shan)  
for Director of Fire Services

LKS/RL/cwy