

消防處
牌照及審批總區

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消防總部大廈



FIRE SERVICES DEPARTMENT
LICENSING AND CERTIFICATION
COMMAND

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3 September, 2002

Fike Protection Systems
Division of Fike Corporation
704 south 10th Street, P.O. Box 610
Blue Springs
Missouri 64013
USA

Dear Sirs,

Application for Approval of Water Mist System

I refer to my previous letter of 19.7.2002 on the captioned subject.

The following water mist system, which was certified by Factory Mutual Research Corporation (FMRC), has already been accepted by this Department for use in Hong Kong :-

Manufacturer	:	Fike Protection Systems A Division of Fike Corporation																														
Type/Model	:	MICROMIST [®] Pre-Engineered Water Mist System																														
System Components	:	<table><thead><tr><th><u>Description</u></th><th><u>Part No.</u></th></tr></thead><tbody><tr><td>Solenoid Valve</td><td>C02-1254</td></tr><tr><td>Pressure Gauge</td><td>C02-1257</td></tr><tr><td>Spring for Main Valve Seal</td><td>C02-1273</td></tr><tr><td>Hose (1/4 inch)</td><td>C02-1279</td></tr><tr><td>Hose (1/4 inch)</td><td>C02-1290</td></tr><tr><td>Mounting Strap, Nitrogen</td><td>C70-213</td></tr><tr><td>Safety Disc</td><td>C85-1002</td></tr><tr><td>Main Valve Assembly</td><td>C85-1087</td></tr><tr><td>Pilot Valve Assembly</td><td>C85-1093</td></tr><tr><td>Rupture Disc, Water Cyl. Assembly</td><td>D3632-1</td></tr><tr><td>Drain / Fill Valve</td><td>02-4235</td></tr><tr><td>Liquid Level Indicator</td><td>02-4236</td></tr><tr><td>Water Valve</td><td>02-4472</td></tr><tr><td>Air Valve Orifice</td><td>02-4521</td></tr></tbody></table>	<u>Description</u>	<u>Part No.</u>	Solenoid Valve	C02-1254	Pressure Gauge	C02-1257	Spring for Main Valve Seal	C02-1273	Hose (1/4 inch)	C02-1279	Hose (1/4 inch)	C02-1290	Mounting Strap, Nitrogen	C70-213	Safety Disc	C85-1002	Main Valve Assembly	C85-1087	Pilot Valve Assembly	C85-1093	Rupture Disc, Water Cyl. Assembly	D3632-1	Drain / Fill Valve	02-4235	Liquid Level Indicator	02-4236	Water Valve	02-4472	Air Valve Orifice	02-4521
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System Components	Description	Part No.
	Water Valve Orifice	02-4522
	Water Vent Valve	02-4526
	Hose (1/8 inch)	02-4538
	Pressure Switch	02-4550
	Check Valve, 1/2 inch	02-4571
	Pressure Regulator	02-4574
	In-line Filter	02-4585
	Hose (1/2 inch)	02-4606
	Cheetah Addressable Control System - 110v	10-052-G-1
	Cheetah Addressable Control System - 110v	10-052-R-1
	Cheetah Addressable Control System - 240v	10-052-G-2
	Cheetah Addressable Control System - 240v	10-052-R-2
	Fast Release Contact Module	55-020
	Supervised Output Module	55-021
	Solenoid Releasing Module	55-022
	Dual Relay Module	55-023
	Mounting Strap, Water	70-1384-R
	Nitrogen Fill Valve	73-012
	Nitrogen / Air Valve Assembly	73-0010
	Water Mist Nozzle Body	73-0021
	Nozzle Assembly for Turbine Room	73-0023
	Nozzle Assembly for Machine Space	73-0024
	Diffuser Plate	73-0025
	Water Mist Nozzle Adapter	73-0026
	Water Cylinder, 107 gallon (US)	73-0027
	Water Cylinder, 70 gallon (US)	73-0032
	Water Valve Adapter	73-0034
	Mounting Skid	73-0039
	Rupture Disc Assembly	73-0040
	Siphon Tube, 70 gallon (US)	73-0046
	Siphon Tube, 107 gallon (US)	73-0049

- Fire Test Protocols** :
- i) Draft Performance Requirements for Fine Water Spray Systems for the Protection of Gas Turbines in Enclosures – Class 5560, March 1996
 - ii) Draft Performance Requirements for Fine Water Spray Systems for the Protection of Machinery Spaces – Class 5560, March 1996

Application : For the protection of combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volume up to, and including 9175ft³ (260m³).


Support Document : Approval Report J.I. 3000746 Class 5560 issued by FMRC on 27 April 2000.

Please note that the above acceptance is subject to :-

- i) all conditions as stipulated in the above-mentioned test report 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.

Please be advised that in accordance with Regulation 64 of the Dangerous Goods (General) Regulations, Chapter 295, Laws of Hong Kong, gas cylinders and water cylinders to be used in the water mist system are required to be approved by this Department before putting in use in Hong Kong.

Yours faithfully,



(LI Kin-yat)
for Director of Fire Services

LKY/cwy