

CERTIFICATE OF COMPLIANCE

Certificate Number EX27850
Report Reference EX27850
Issue Date 2023-FEBRUARY-20
Issued to: Fire & Hazard Control Equipment Co. Ltd.
Manufacturer Company: 69th Street
P.O. Box 8401
Dammam II Industrial Area
Dammam 31482 SA

Listed Company: GEM
Burlingham House
Hewett Rd
Gapton Hall Ind Estate
Great Yarmouth NR31 0NN GB

**This is to certify that
representative samples of** Clean-Agent Extinguishing System Units

See Addendum for Model information

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/CAN/UL/ULC 2166, Halocarbon Clean Agent Extinguishing
System Units

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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contact UL Customer Service at <http://ul.com/aboutul/locations>.



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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Engineered FM-200® Models 303.205.026, 015, 016, 017, 030, 018, 031, 032, 019, 020, 021, and 022 Clean Agent Extinguishing System Units utilizing DOT rated cylinders, stored pressure type, having nominal charging capacities of 4.5, 8, 16, 32, 40, 52, 67, 80, 106, 147, 180, and 343 L (9, 17, 35, 70, 88, 114, 148, 176, 233, 324, 396 and 756 lbs) of FM-200® Clean Agent, respectively.

Engineered FM-200® Models 303.205.045, 046, 047, 048, 049, and 050 Clean Agent Extinguishing System Units utilizing TPED rated cylinders, stored pressure type, having nominal charging capacities of 8, 16, 32, 52, 106, and 147 L (17, 35, 70, 114, 233, and 324 lbs) of FM-200® Clean Agent, respectively.

The units are super-pressurized to 25 bar (360 psig) with operating temperatures of 0°C to 54°C (32°F to 130°C). The units are designed for total flooding protection against Class A surface burning, Class B flammable liquid and C fires occurring within an enclosure.

These system units are intended to be designed and installed in accordance with the Listee's Engineered System Installation, Recharge and Maintenance Manual, p/n 14A-07G dated 2010-03, Supplemental Technical Bulletin for Cable Pneumatic Manual (CPM) Actuator, P/N 15527 dated 2012-03-21, Actuator Placement Indicator Switch Technical Bulletin p/n 16056A dated December 10, 2015, Electrical Actuator (p/n 304205030) in Bulletin 16284 dated April 24, 2019 the Manual Bulletin p/n 16446, Halocarbon ATEX Components (Electrical Actuator & Low-Pressure Switch), dated December 2021, and the FM-200® Engineered System Flow Calculation Software Versions HYG 3.04b or TYCO 4.00.

GEM Engineered FM-200® Models Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities as shown below of FM-200® (HFC-227ea) Clean Agent, respectively.

The units are super-pressurized to 25 bar (360 psig) with operating temperatures of 0°C to 54°C (32°F to 130°C). The units are designed for total flooding protection against Class A surface burning, Class B flammable liquid and C fires occurring within an enclosure.

These system units are intended to be designed and installed in accordance with the Listee's Engineered System Installation, Recharge and Maintenance Manual, p/n 14A-07G - Rev. 4 dated September 14, 2020, Manual Bulletin 16426 dated December 15, 2021, the Manual Bulletin p/n 16446, Halocarbon ATEX Components (Electrical Actuator & Low-Pressure Switch), dated December 2021, and the FM-200® Engineered System Flow Calculation Software Version HYG 3.04b.

AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (lbs)

Part No.

5 - 9

303.205.026

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18 - 35	303.205.016
33 - 66	303205301, 303205311
36 - 70	303.205.017
37 - 75	303.205.035
45 - 88	303.205.030
50 - 99	303205302, 303205312
58 - 114	303.205.018
67 - 132	303205303, 303205313
74 - 148	303.205.031
89 - 176	303.205.032
117 - 233	303.205.019
133 - 264	303.205.033, 303205304, 303205314
154 - 308	303.205.034
163 - 324	303.205.020
166 - 330	303205305, 303205315
199 - 396	303.205.036, 303205306, 303.205.021
379 - 756	303.205.022

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