

GAQF.EX15998 - Clean-agent Extinguishing System Units

Clean-agent Extinguishing System Units

See General Information for Clean-agent Extinguishing System Units

LICHFIELD FIRE & SAFETY EQUIPMENT CO LTD

EX15998

UNIT 8, CALIBRE INDUSTRIAL PARK

LACHES CLOSE FOUR ASHES

WOLVERHAMPTON, WV10 7DZ UNITED KINGDOM

ENGINEERED UNITS, Models LF 90020-E, LF-90035-E, LF-90070-E, LF-90100-E, LF-90100-F, LF-90150-E, LF-90250-E, LF-90375-E, LF-90560-E, LF-90800-E, LF-91000-E and LF-91200-E, HFC-227ea Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities of 20, 35, 70, 100, 150, 250, 375, 560, 800, 1000 and 1200 lb HFC-227ea Clean Agent, respectively. These units are super-pressurized to 360 psig with operating temperatures of 32 F to 130 F. The units are designed for total flooding protection against Class A surface burning, Class B flammable liquid and Class C fires occurring within an enclosure.

These above system units are intended to be designed and installed in accordance with the Listee's Design and Installation Operation and Maintenance Manual, P/N LF-90225-D dated January 24, 2018, Rev. 0.3. These installations require the use of the Listee's Flow Calculation Software, Version LF 4.0 (Reference Software User's Manual dated December 2015). Copies of the software and manuals may be obtained from the above Listee.

AGENT STORAGE CONTAINER ASSEMBLY

| Weight of Agent (lbs) | Part No. |
|-----------------------|--|
| 9-20 | LF 90020-E, LF 90020-E-SS |
| 16-35 | LF 90035-E, LF 90035-E-SS |
| 31-71 | LF 90070-E, LF 90070-E-SS |
| 44-101 | LF 90100-E, LF 90100-E-SS, LF 90100-F, LF 90100-F-SS |
| 66-152 | LF 90150-E, LF 90150-E-SS |
| 109-253 | LF 90250-E, LF 90250-E-SS |
| 163-379 | LF 90375-E, LF 90375-E-SS |
| 241-561 | LF 90560-E, LF 90560-E-SS |
| 285-665 | LF 90650-E, LF 90650-E-SS, LF 90650-F-SS |
| 353-806 | LF 90800-E, LF 90800-F |
| 439-1008 | LF 91000-E, LF 91000-F |
| 519-1200 | LF 91200-E |

PRE-ENGINEERED UNITS, Models LF-3-XXX+, LF-6-XXX+, LF-12-XXX+, LF-18-XXX+, Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities of 3, 6, 12 lb of HFC-227ea Clean Agent, respectively. These units are super-pressurized to 240 psig with operating temperatures of 32 F to 130 F. The units are designed for total flooding protection against Class A surface burning, Class B flammable

liquid and Class C fires occurring within an enclosure.

Model LF-18-XXX+, Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities of 3, 6, 12 lb of HFC-227ea Clean Agent, respectively. These units are super-pressurized to 240 psig with operating temperatures of 32 F to 130 F. The units are designed for total flooding protection against Class A surface burning, Class B flammable liquid and Class C fires occurring within an enclosure.

These system units are intended to be designed and installed in accordance with the Listee's Design and Installation Operation and Maintenance Manual, P/N LF-LP-SYS1 dated December 24, 2015.

Models LF-35-XXX+, LF-70-XXX+, LF-140-XXX+, LF-240-XXX+, LF-360-XXX+, LF-520-XXX+, Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities of 35, 70, 140, 240, 360, and 520 lb of HFC-227ea Clean Agent, respectively. These units are super-pressurized to 360 psig with operating temperatures of 32 F to 130 F. The units are designed for total flooding protection against Class A surface burning, Class B flammable liquid and Class C fires occurring within an enclosure.

These system units are intended to be designed and installed in accordance with the Listee's Design and Installation Operation and Maintenance Manual, P/N LF-LP-SYS1 dated December 24, 2015.

AGENT STORAGE CONTAINER ASSEMBLY

| Weight of Agent (lbs) | Part No. |
|-----------------------|-------------|
| 1-3 | LF-3-XXX+ |
| 3-6 | LF-6-XXX+ |
| 6-12 | LF-12-XXX+ |
| 12-18 | LF-18-XXX+ |
| 16-35 | LF-35-XXX+ |
| 31-70 | LF-70-XXX+ |
| 66-140 | LF-140-XXX+ |
| 109-240 | LF-240-XXX+ |
| 163-360 | LF-360-XXX+ |
| 241-520 | LF-520-XXX+ |

+ Where "XXX" can be 12, 24, or 120. May be followed by L.

ENGINEERED UNITS, Models LF 70020-E, LF 70035-E, LF 70070-E, LF 70100-E, LF 70100-F, LF 70150-E, LF 70250-E, LF 70375-E, LF 70560-E, LF 70650-E, LF 70650-F, LF 70800-F, LF 70800-E, LF 71000-F, LF 71000-E, and LF 71200-E, FK-5-1-12 Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities of 20, 35, 70, 100, 150, 250, 375, 560, 650, 800, 1000, and 1200 lb FK-5-1-12 Clean Agent, respectively. These units are super-pressurized to 500 psig with operating temperatures of 32 F to 130 F. The units are designed for total flooding protection against Class A surface burning, Class B flammable liquid and Class C fires occurring within an enclosure.

These above system units are intended to be designed and installed in accordance with the Listee's Design and Installation Operation and Maintenance Manual, P/N SF-95112-M dated January 24, 2018. These installations require the use of the Listee's Flow Calculation Software, Version SF4.00 (Reference Software User's Manual dated December 2016). Copies of the software and manuals may be obtained from the above Listee.

AGENT STORAGE CONTAINER ASSEMBLY

| Weight of Agent (lbs) | Part No. |
|-----------------------|--|
| 11-21 | LF 70020-E, LF 70020-E-SS |
| 18-38 | LF 70035-E, LF 70035-E-SS |
| 36-76 | LF 70070-E, LF 70070-E-SS |
| 51-108 | LF 70100-E, LF 70100-F, LF 70100-E-SS, LF 70100-F-SS |

| | |
|----------|---------------------------------------|
| 77-163 | LF 70150-E, LF 70150-E-SS |
| 127-271 | LF 70250-E, LF 70250-E-SS |
| 190-406 | LF 70375-E, LF 70375-E-SS |
| 281-601 | LF 70560-E, LF 70560-E-SS |
| 333-712 | LF 70650-E, LF 70650-E-SS, LF 70650-F |
| 420-900 | LF 70800-E, LF 70800-F |
| 520-1112 | LF 71000-E, LF 71000-F |
| 606-1297 | LF 71200-E |

ENGINEERED UNITS, Models LF 90020-EH, LF 90035-EH, LF 90070-EH, LF 90100-EH, LF-90100-FH, LF 90150-EH, LF 90250-EH, LF 90375-EH, LF 90560-EH, LF90650-EH, LF90650-FH, LF 90800-EH, LF0800-FH, LF 91000-EH, LF91000-FH, and LF-91200-EH, HFC-227ea Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities of 20, 35, 70, 100, 150, 250, 375, 560, 800, 1000, and 1200 lb HFC-227ea Clean Agent, respectively. These units are super-pressurized to 500 psig with operating temperatures of 32 F to 120 F. The units are designed for total flooding protection against Class A surface burning, Class B flammable liquid and Class C fires occurring within an enclosure.

These above system units are intended to be designed and installed in accordance with the Listee's Design and Installation Operation and Maintenance Manual, P/N LF-90225-E dated January 24, 2018. These installations require the use of the Listee's Flow Calculation Software, Version LF4.00 (Reference Software User's Manual dated July 2014). Copies of the software and manuals may be obtained from the above Listee.

AGENT STORAGE CONTAINER ASSEMBLY

| Weight of Agent (lbs) | Part No. |
|-----------------------|--|
| 9-19 | LF 90020-EH, LF 90020-EH-SS |
| 16-33 | LF 90035-EH, LF 90035-EH-SS |
| 31-67 | LF 90070-EH, LF 90070-EH-SS |
| 44-94 | LF 90100-EH, LF 90100-FH, LF 90100-EH-SS, LF 90100-FH-SS |
| 66-143 | LF 90150-EH, LF 90150-EH-SS |
| 109-237 | LF 90250-EH, LF 90250-EH-SS |
| 163-356 | LF 90375-EH, LF 90375-EH-SS |
| 241-527 | LF 90560-EH, LF 90560-EH-SS |
| 285-624 | LF 90650-EH, LF 90650-EH-SS, LF 90650-FH |
| 360-788 | LF 90800-EH, LF 90800-FH |
| 445-974 | LF 91000-EH, LF 91000-FH |
| 519-1137 | LF 91200-EH |

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