

GAQF.EX15997 Clean-agent Extinguishing System Units

Page Bottom

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See General Information for Clean-agent Extinguishing System Units

SAUDI FACTORY FOR FIRE EQUIPMENT CO

EX15997

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ENGINEERED UNITS, Models SF90020-E, SF90035-E, SF90070-E, SF90100-E, SF90150-E, SF90250-E, SF90375-E, SF90560-E, SF90800-E, SF91000-E, and SF91200-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 SF-90225-D dated December 24, 2015, Rev. 0.1. These installations require the use of the Listee's Flow Calculation Software, Version SF 4.0 (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.
9-20	SF 90020-E, SF 90020-E-SS
16-35	SF 90035-E, SF 90035-E-SS
31-71	SF 90070-E, SF 90070-E-SS
44-101	SF 90100-E, SF 90100-E-SS, SF 90100-F, SF 90100-F-SS
66-152	SF 90150-E, SF 90150-E-SS
109-253	SF 90250-E, SF 90250-E-SS
163-379	SF 90375-E, SF 90375-E-SS
241-561	SF 90560-E, SF 90560-E-SS
353-806	SF 90800-E
439-1008	SF 91000-E
519-1200	SF 91200-E

PRE-ENGINEERED UNITS, Models SF-3-XXX+, -6-XXX+, -12-XXX+ Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities of 3, 6, 12, 18 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 SF-LP-SYS1 dated December 24, 2015.

Models SF-35-XXX+, -70-XXX+, -140-XXX+, -240-XXX+, -360-XXX+, -520-XXX+ Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities of 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 SF-LP-SYS1 dated December 24, 2015.

AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (lbs)	Part No.
1-3	SF-3-XXX+
3-6	SF-6-XXX+
6-12	SF-12-XXX+

16-35	SF-35-XXX+
31-70	SF-70-XXX+
66-140	SF-140-XXX+
109-240	SF-240-XXX+
163-360	SF-360-XXX+
241-520	SF-520-XXX+

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

ENGINEERED UNITS 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one) Extinguishing System Units, stored pressure type, having nominal charging capacities of 38, 65, 130, 277, 395 and 895 lb (17.2, 29.5, 59. 1, 125. 9, 179. 5 and 406.8 kg) of Novec™ 1230 Fluid, respectively. The units are pressurized to 25 bar (360 psig) with operating temperatures of 0 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.

A description of these extinguishing system units, and the design and installation limitations are contained in the Listee's installation manual P/N SFFECO 1230 360 Eng issued April 2009 and Sevo VDS software Novec -Calculationprogram Version 7.2 and 7.6. Copies are available from the above Listee.

AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (Lbs)	Part No.
15-38	SF 1230-038
26-65	SF 1230-065
52-130	SF 1230-130
111-277	SF 1230-277
157-394	SF 1230-395
366-854	SF 1230-850



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Last Updated on 2017-05-31

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