



GAQF.EX16138 Clean-agent Extinguishing System Units

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Clean-agent Extinguishing System Units

[See General Information for Clean-agent Extinguishing System Units](#)

CONTEXT PLUS LTD

EX16138

175 MAULDETH RD
MANCHESTER, ENGLAND M14 6SG UNITED KINGDOM

PRE-ENGINEERED UNIT, Models CP-3-XXX+, -6-XXX+, -12-XXX+, -18-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 CP-LP-SYS1 dated December 24, 2015.

Models CP-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 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 CP-LP-SYS1 dated December 24, 2015.

AGENT STORAGE CONTAINER ASSEMBLY

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

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

ENGINEERED UNIT, Models CP 90020-E, CP 90035-E, CP 90070-E, CP 90100-E, CP 90150-E, CP 90250-E, CP 90375-E, CP 90560-E, CP 90800-E, CP 91000-E and CP 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 CP-90225-D dated December 24, 2015, Rev. 0.1. These installations require the use of the Listee's Flow Calculation Software, Version CP 4.00 (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.
9-20	CP 90020-E, CP 90020-E-SS
16-35	CP90035-E, CP 90035-E-SS

31-71	CP90070-E, CP 90070-E-SS
44-101	CP 90100-E, CP 90100-E-SS
66-152	CP90150-E, CP 90150-E-SS
109-253	CP90250-E, CP 90250-E-SS
163-379	CP90375-E, CP 90375-E-SS
241-561	CP90560-E, CP 90560-E-SS
353-806	CP 90800-E
439-1008	CP 91000-E
519-1200	CP91200-E



Trademark and/or Tradename:

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[Extinguishers and Extinguishing System Units] Clean-agent Extinguishing System Units

[See General Information for Extinguishers and Extinguishing System Units](#)

USE AND INSTALLATION

This category covers clean-agent extinguishing system units, which are assembled in a system with an agent storage container assembly to discharge an extinguishing agent through fixed piping and nozzles for the extinguishment of fires. These units include actuating assemblies designed for automatic and/or manual operation, container assemblies for storing the extinguishing agent, discharge assemblies, manifold check valves, selector valves, discharge nozzles and other miscellaneous devices.

This category also covers clean-agent extinguishing system unit assemblies comprised of a single enclosure that houses 1) electronic control and signaling equipment and 2) a clean-agent extinguishing system unit, connected and assembled in the enclosure and intended for connection to an electrical power connection, clean-agent-system piping, and heat- or smoke-detection devices.

Clean-agent extinguishing systems are intended to be designed, installed and maintained in accordance with ANSI/NFPA 2001, "Clean Agent Fire Extinguishing Systems," and the manufacturer's installation, operation and maintenance manual. These units are designed for total-flooding applications unless otherwise indicated in the individual certifications. For total-flooding applications, the hazard is surrounded by a fixed enclosure that enables the required concentration to be achieved and maintained for the required period of time, ensuring effective extinguishment of fire in combustible materials.

The total-flooding design concentrations for surface-type Class A and Class B fires are specified in the individual manufacturer's design and/or installation, operation and maintenance manual referenced in the individual certifications.

Fires involving densely packed fibrous materials, such as baled cotton, jute, pressed fiberboard or the like, are special hazards and should be given specific consideration. Extinguishment of materials of this type may require substantially higher concentrations.

For information regarding safeguards for personnel, products of decomposition, and exposure to the agent, refer to ANSI/NFPA 2001.

Authorities Having Jurisdiction should be consulted before installation.

PRODUCT IDENTITY

One of the following product identities appears on the product:

Clean-agent Extinguishing System Unit

Clean-agent Extinguishing System Unit Assembly

ADDITIONAL INFORMATION

For additional information, see Extinguishers and Extinguishing System Units ([EWEZ](#)) and Fire Protection Equipment ([AAFP](#)).

REQUIREMENTS

The basic standard used to investigate clean-agent extinguishing system units in this category is [ANSI/UL 2166](#), "Halocarbon Clean Agent Extinguishing System Units," or [ANSI/UL 2127](#), "Inert Gas Clean Agent Extinguishing System Units."

The basic standards used to investigate clean-agent extinguishing system unit assemblies in this category are [ANSI/UL 2166](#), or [ANSI/UL 2127](#) and [ANSI/UL 864](#), "Control Units and Accessories for Fire Alarm Systems."

UL MARK

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Alternate UL Mark

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