

## GAQF.EX15398 Clean Agent Extinguishing System Units

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#### JANUS FIRE SYSTEMS

EX15398

1102 RUPCICH DR # D  
CROWN POINT, IN 46307-7542 USA

**PRE-ENGINEERED UNIT**, Models P-Sv 44, P-Sv 130, HFC-227ea Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacity of 44 and 130 lbs of HFC-227ea Clean Agent, respectively. The 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 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 Model P-Sv Series Pre-Engineered HFC-227ea Clean Agent Fire Suppression System Design, Installation, Maintenance, and Recharge Manual, Document No.DOC101, issued March 8, 2008, revised May 7, 2008. Copies are available from the above Listee.

**ENGINEERED UNIT**, Sv, Mv and Lv Series, FM-200 (HFC-227ea) Clean Agent Extinguishing System Units, Models 18583, 18586, 18584, 18587, 18585, 18588, 18525, 18589, 18526, 18590, 18527, 18591, 18528, 18592, 18529 and 18593 stored pressure type, having nominal charging capacities of 40, 40, 80, 80, 130, 130, 250, 250, 420, 420, 600, 600, 900, 900, 1000 and 1000 lb of Clean Agent, respectively. The 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 systems are intended to be designed and installed in accordance with the Listee's design, installation and maintenance manual, Doc. No. 102 (Rev. F), issued Feb. 1 2009, with revisions through November 11, 2011; software manual, Doc. No. 106 (Rev. E) dated May 5, 2009 with revisions through February 8, 2013, and Janus Design Suite Flow Program, Version 2.X.Y.Z.

**ENGINEERED UNIT**, Sv, Mv and Lv Series, Novec 1230 Clean Agent Extinguishing System Units, Models 20503, 20575, 20504, 20574, 20505, 20576, 20506, 20584, 20507, 20585, 20508, 20586, 20509, 20587, 20510 and 20588, stored pressure type, having nominal charging capacities of 40, 40, 80, 80, 130, 130, 250, 250, 420, 420, 600, 600, 900, 900, 1000 and 1000 lb of Clean Agent, respectively. The 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 systems are intended to be designed and installed in accordance with the Listee's design, installation and maintenance manual, Doc. No. 108 (Rev. C), issued June 21 2010, with revisions through November 11, 2011; software manual, Doc. No. 173 (Rev. E), dated June 14, 2010 with revisions through August 9, 2013, and Janus Design Suite Flow Program, Version 2.X.Y.Z.

**ENGINEERED UNIT**, Sv 500, Mv 500 and Lv 500 Series, Novec 1230 Clean Agent Extinguishing System Units, Models 22949, 22957, 22950, 22958, 22951, 22959, 22952, 22960, 22953, 22961, 22954, 22963, 22955, 22964, 22956 and 22965, stored pressure type, having nominal charging capacities of 40, 40, 80, 80, 130, 130, 250, 250, 420, 420, 600, 600, 900, 900, 1000 and 1000 lb of Clean Agent, respectively. The 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 systems are intended to be designed and installed in accordance with the Listee's design, installation and maintenance manual, Doc. No. 257, issued May 22, 2013; software manual, Doc. No. 173 (Rev. E), dated June 14, 2010 with revisions through August 9, 2013, and Janus Design Suite Flow Program, Version 2.X.Y.Z.

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