



## GAQF.EX6174 Clean Agent Extinguishing System Units

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### Clean Agent Extinguishing System Units

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#### SEVO SYSTEMS INC

EX6174

14335 W 97TH TER  
LENEXA, KS 66215-1150 USA

**PRE-ENGINEERED UNITS** 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one) Extinguishing System Units, stored pressure type, having nominal charging capacities of 40, 76, 164, 322 and 601 lb (18.1, 34.5, 74.4, 146.1 and 272.6 kg) Novec™ 1230 Fluid, respectively. The units are super-pressurized to 25 bar (363 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 dated October 17, 2002 (p/n SE 1230). Copies are available from the above Listee.

#### AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (Lbs)	Part No.
16-40	CV 140069
30-76	CV 140079
66-164	CV 14817
129-322	CV 140057
241-601	CV 14813

**ENGINEERED UNITS** 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one) Extinguishing System Units, stored pressure type, having nominal charging capacities of 40, 76, 164, 322, 601 and 910 lb (18.1, 34.5, 74.4, 146.1, 272.6, and 412.8 kg) Novec™ 1230 Fluid, respectively. The units are super-pressurized to 25 bar (363 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.

These system units are intended to be designed and installed in accordance with the Listee's Engineered System Design, Installation, Operation and Maintenance Manual P/N SE 1230 360 Eng issued April 2009 and revised July 26, 2012 and Sevo VDS software Novec - Calculation program Versions 7.2 or 7.6. Copies are available from the above Listee.

Engineered Clean Agent Extinguishing System Units containing 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one), stored pressure type, with seamless cylinders, having nominal storage capacities of 106, 160, 211, 320, and 393.75 lb (48.1, 72.6, 95.7, 145.1, and 178.6 kg) of Novec™ 1230 Fluid (dodecafluoro-2-methylpentan-3-one). The units are pressurized with dry nitrogen to 25 bar (360 psig) at 70°F (21°C) with operating temperatures of 0°F to 130°F (-17.8°C to 54.4°C). 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 Engineered System Design, Installation, Operation and Maintenance Manual, for system units with seamless cylinders, P/N SE 1230 360 Eng Seamless, issued May 2014, and Sevo VDS software Novec - Calculation program Versions 7.2 or 7.6.

Weight of Agent (Lbs)	Part No.
44-106	CV 140040
66-160	CV 140060
88-211	CV 140080
132-320	CV 140120
157.5-393.75	CV 140150

#### AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (Lbs)	Part No.
16-40	CV 140069-360
30-76	CV 140079-360
66-164	CV 14817-360
129-322	CV 140057-360

241-601	CV 14813-360
390-910	CV 140107-360

**ENGINEERED UNITS** 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one) Extinguishing System Units, stored pressure type, having nominal storage capacities of 40, 76, 164, 322, 601 and 910 lb (18.1, 34.5, 74.4, 146.1, 272.6, and 412.8 kg) Novec™ 1230 Fluid, respectively. The units are super-pressurized to 34.5 bar (500 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.

These system units are intended to be designed and installed in accordance with the Listee's Engineered System Design, Installation, Operation and Maintenance Manual P/N SE 1230 500 Eng issued April 2009 and revised July 26, 2012 and Sevo VDS software Novec -Calculationprogram Versions 7.2 or 7.6. Copies are available from the above Listee.

#### AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (Lbs)	Part No.
16-40	CV 140069-500
30-76	CV 140079-500
66-164	CV 14817-500
129-322	CV 140057-500
241-601	CV 14813-500
390-910	CV 140107-500

Engineered Clean Agent Extinguishing System Units containing 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one), stored pressure type, with seamless cylinders, having nominal storage capacities of 106, 160, 211, 320, and 393.75 lb (48.1, 72.6, 95.7, 145.1, and 178.6 kg) of Novec™ 1230 Fluid (dodecafluoro-2-methylpentan-3-one). The units are pressurized with dry nitrogen to 34.5 bar (500 psig) at 70°F (21°C) with operating temperatures of 0°F to 130°F (-17.8°C to 54.4°C). 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 Engineered System Design, Installation, Operation and Maintenance Manual, for system units with seamless cylinders, P/N SE 1230 360 Eng Seamless, issued May 2014, and Sevo VDS software Novec -Calculation program Versions 7.2 or 7.6.

Weight of Agent (Lbs)	Part No.
44-106	CV 140040
66-160	CV 140060
88-211	CV 140080
132-320	CV 140120
157.5-393.75	CV 140150

**ENGINEERED UNITS** 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one) Extinguishing System Units, stored pressure type, having nominal storage capacities of 38, 65, 130, 277, 395 and 850 lb (17.2, 29.5, 59.0, 125.6, 179.6 and 385.6 kg) Novec™ 1230 Fluid, respectively. The units are super-pressurized to 34.5 bar (500 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.

These system units are intended to be designed and installed in accordance with the Listee's Engineered System Design, Installation, Operation and Maintenance Manual P/N SE 1230 500 Eng issued April 2009 and revised July 26, 2012, with FFT cylinder sizes supplement pages 64-69, and Sevo VDS software Novec -Calculationprogram Versions 7.2 or 7.6. Copies are available from the above Listee.

#### AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (Lbs)	Part No.
15-38	CV 140077-500
26-65	CV 140078-500
52-130	CV 140068-500
111-277	CV 140021-500
157-395	CV 140067-500
366-854	CV 140106-500

Last Updated on 2014-06-05

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