

GAQF.EX6174 - Clean-agent Extinguishing System Units

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

SEVO SYSTEMS INC
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LENEXA, KS 66215-1150 USA

EX6174

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 (-18°C to 54°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.

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), Revised December 29, 2015. 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, with **welded cylinders** having nominal charging capacities of 38, 40, 65, 76, 130, 164, 277, 322, 395, 601, 850 and 910 lb (17.8, 18.1, 29.5, 34.5, 59.0, 74.4, 125.6, 146.1, 179.2, 272.6, 385.6 and 412.8 kg) Novec™ 1230 Fluid, respectively. The units are super-pressurized to 25 bar (360 psig) with operating temperatures of 0° F to 130° F (-18°C to 54°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 P/N SE 1230 360 Eng Issued April 2009 and Revised May 30, 2019 and Sevo software Novec - Calculation program 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 140077-360
16-40	CV 140069-360
26-65	CV 140078-360
30-76	CV 140079-360
52-130	CV 140068-360
66-164	CV 14817-360

111-277	CV 140021-360
129-322	CV 140057-360
157-395	CV 140067-360
241-601	CV 14813-360
366-854	CV 140106-360
390-910	CV 140107-360

ENGINEERED UNITS, 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one) Extinguishing System Units, stored pressure type, 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 (-18°C to 54°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 April 2014, Revised January 5, 2016, and Sevo VDS software Novec - Calculation program Versions 7.2 or 7.6. Copies are available from the above Listee.

AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (lbs)	Part No.
44-106	CV 140040-360
66-160	CV 140060-360
88-211	CV 140080-360
132-320	CV 140120-360
157.5-393.75	CV 140150-360

ENGINEERED UNITS, 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one) Extinguishing System Units, stored pressure type, **welded cylinders** 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 (-18°C to 54°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 P/N SE 1230 500 Eng Issued April 2009 and Revised January 5, 2016, and Sevo VDS software Novec - Calculation program 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 UNITS, 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one) Extinguishing System Units, stored pressure type, **welded cylinders**, 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

(-18°C to 54°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 P/N SE 1230 500 Eng Issued April 2009 and Revised January 6, 2016, with FFT cylinder sizes supplement pages 64-69, and Sevo VDS software Novec - Calculation program 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

ENGINEERED UNITS, 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one) Extinguishing System Units, 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 (-18°C to 54°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 500 Eng Seamless, Issued April 2014, Revised January 5, 2016 (and Sevo VDS software Novec - Calculation program Versions 7.2 or 7.6. Copies are available from the above Listee.

Weight of Agent (lbs)	Part No.
44-106	CV 140040-500
66-160	CV 140060-500
88-211	CV 140080-500
132-320	CV 140120-500
157.5-393.75	CV 140150-500

PRE-ENGINEERED UNIT, Model Flex, Clean Agent Extinguishing System Units containing Novec 1230, stored pressure type, having nominal storage capacities of 3, 7 and 14 lbs. The units are super-pressurized with dry nitrogen to 240 psig at 70°F (21°C) with operating temperatures of -32°F to -130°F (0°C to 54°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.

A description of these extinguishing system units and the design and installation limitations are contained in the Listee's installation manual Part No. FE 1230 240 PRE, dated 11/14. Copies are available from the above Listee.

AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (lbs)	Part No.
3	FLEX-L0300
7	FLEX-L0700
14	FLEX-L1400

ENGINEERED UNITS, Titan Series Engineered Clean Agent Extinguishing System Units containing 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one), stored pressure type, with welded cylinders 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) of Novec™ 1230 Fluid (dodecafluoro-2-methylpentan-3-one). The units are pressurized

with dry nitrogen to 240 psig (16.5 bar) at 70°F (21°C) with operating temperatures of 0°F to 130°F (-18°C to 54°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.

ENGINEERED UNITS, Titan Series Engineered Clean Agent Extinguishing System Units containing 3M™ Novec™ 1230 Fire Protection Fluid (dodecafluoro-2-methylpentan-3-one), non-pressurized type, with welded cylinders having nominal storage capacities of 40, 76, 164, 322, 601, 910, 1250 and 2500 lb (18.1, 34.5, 74.4, 146.1, 272.6, 412.8, 567.0 and 1134.0 kg) of Novec™ 1230 Fluid (dodecafluoro-2-methylpentan-3-one). The units are unpressurized with operating temperatures of 0°F to 130°F (-18°C to 54°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.

A description of these extinguishing system units and the design and installation limitations are contained in the Listee's Engineered System Design, Installation, Operation and Maintenance Manual P/N TE 1230 500 ENG issued April 2009 and revised March 31, 2016 Version D and Sevo VDS software Novec -Calculation Program Versions 7.2 or 7.6.

AGENT STORAGE CONTAINER ASSEMBLY

Weight of Agent (lbs)	Part No.
16-40	CT 140069
30-76	CT 140079
66-164	CT 14817
129-322	CT 140057
241-601	CT 14813
390-974	CT 140107
507.8-1271	CT 140480
1000.8-2505	CT 140946

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