

NAF S 125[®]

Fire Suppression Engineered Systems

Safety Hi-Tech offers the largest range of UL listed clean agent fire-extinguishing systems in the market. By choosing from four different valve styles and cylinders ranging from 5 to 240 liters, Safety Hi-Tech is able to provide a complete range of gaseous fire suppression options to meet your needs.

Our seamless cylinders range from 5 to 120 liters, and are super-pressurized to 42 bar (600psi).

These 42 bar cylinder assemblies are the preferred choice for systems with long pipe runs or retrofitting existing Halon 1301 systems. The working pressure of the 142, 175 and 240 liters welded cylinders is 25 bar (360 psi), providing lower cost options for new systems.

The software used for engineered system design has been validated by UL.

NAF S 125 systems offer three important advantages:

- **NAF S 125 systems uses less agent**
- **NAF S 125 systems can be used at temperatures as low as - 18°C**
- **NAF S 125 systems can retrofit existing Halon 1301 systems**

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 UL Listing Mark and UL Recognized Component Mark are registered trademarks of Underwriters Laboratories Inc.



European Patent n. EP 630278, United States Patent No. 6,402,975



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The best
 solution
 to protect
 you and your
 property.

FIRE SUPPRESSION ENGINEERED SYSTEMS
NAF S 125[®]



SAFETY HI-TECH

THE LARGEST RANGE OF UL LISTED CLEAN AGENTS FIRE-EXTINGUISHING SYSTEMS

SAFETY HI - TECH is a customer-focused supplier of advanced solutions for the Fire-Fighting sector which serves customers and markets through a network of integrated sales, production, research and technical services.

Safety Hi-Tech's experts sit on the Technical Committee of NFPA 2001 Standard on Clean Agent Extinguishing Systems and other international regulatory technical committees, such as ISO, UNI, CEN and IMO.

NAF S 125[®] Fire Suppression Systems

NAF S 125 is approved by the United States Environmental Protection Agency (EPA) for use as Halon 1301 replacement in normally occupied areas. It is a clean and non-conductive extinguishing media and suitable for Class A, B and C fires. Its formulation includes HFC-125 and a patented additive that reduces the levels of decomposition by-products normally generated by halocarbons during extinguishment (inter alia US Patent No. 6,402,975 and EU Patent No. 630,278).

Underwriters Laboratories, Inc. (UL) also **recognizes** **NAF S 125** fire suppressant and its production is subject to UL inspections and complies with the quality requirements specified in the standards.



SAFETY HI - TECH has a network of worldwide distributors with UL approved Alternate Manufacturing Locations (AML). Our distributors include large companies such as **The Linde Group/BOC**, which designs, assembles, fills and distributes NAF S 125 Fire Suppression Systems.

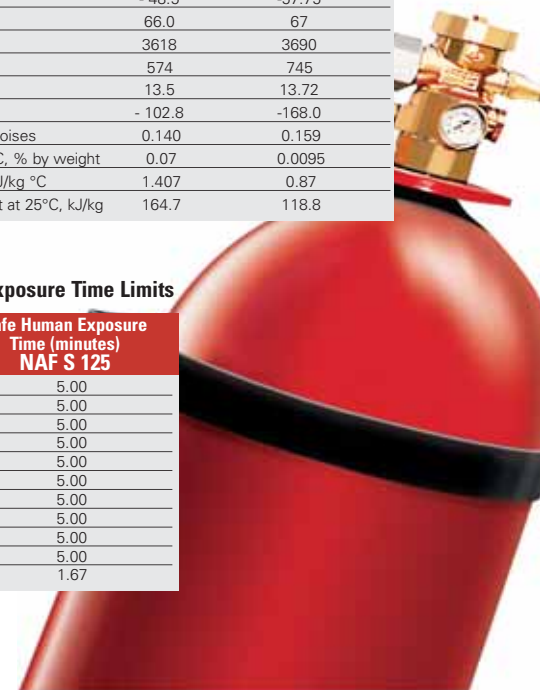
To check the current list of UL approved AMLs please search the UL Online Certifications Directory (www.UL.com) and enter "NAF" keyword.

NAF S 125

Physical Properties	NAF S 125	HALON 1301
Molecular Weight	120.02	148.93
Boiling Point @ 760 mm Hg, °C	- 48.5	-57.75
Critical Temperature, °C	66.0	67
Critical Pressure, kPa	3618	3690
Critical Density, kg/m ³	574	745
Vapor Pressure @ 20 °C, bar	13.5	13.72
Freezing Point, °C	- 102.8	-168.0
Viscosity of Liquid @ 25 °C, centipoises	0.140	0.159
Solubility of Water in Agent @ 21 °C, % by weight	0.07	0.0095
Specific Heat of Liquid @ 25 °C, kJ/kg °C	1.407	0.87
Heat of Vaporization @ Boiling Point at 25°C, kJ/kg	164.7	118.8

NAF S 125 - Safe Human Exposure Time Limits

Concentration by volume (% v/v)	Safe Human Exposure Time (minutes) NAF S 125
7.0	5.00
7.5	5.00
8.0	5.00
8.5	5.00
9.0	5.00
9.5	5.00
10.0	5.00
10.5	5.00
11.0	5.00
11.5	5.00
12.0	1.67



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