CLEAN AGENT FIRE SUPPRESSION

HFC-227ea

Extinguishing agent for total flooding applications



Used in SHTG 227 systems

Clean agent protection

HFC-227ea is a clean extinguishing agent used in SHTG 227 systems. It disperses throughout the protected enclosure, providing total flooding protection with zero ozone depletion potential and compact agent storage.

Zero ODP

Ozone depletion potential: 0

Total flooding

Rapid agent dispersion

Documented quality

Batch documentation

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AGENT DATA

Properties and performance

Technical characteristics for HFC-227ea clean agent applications.

PROPERTY	VALUE
Extinguishing agent	HFC-227ea
Chemical identity	CAS 431-89-0
Ozone depletion potential	0
Global warming potential	2,900 (100-year ITH)
Operating temperature range	0°C to 50°C
NOAEL	9.0% v/v
Boiling point	-16.4°C
Physical state	Liquefied compressed gas

Performance and system design

Rapid dispersion supports total flooding protection. Agent quantity, design concentration and discharge arrangements are determined for the protected enclosure using the relevant system design documentation.

Each production batch is supplied with documentation of its chemical and physical characteristics. HFC-227ea enables compact storage arrangements where available space and system weight matter.

Personnel safety and exposure

NOAEL: 9.0% v/v. Use in normally occupied spaces requires the applicable concentration limits, exposure limits and evacuation provisions to be addressed in system design.

Agent approvals and supply options

UL Component Recognition

Under Safety Hi-Tech Global LLC recognition.

UR / FM

Third-party products supplied on request with UL Component Recognition and FM Approvals.

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