



SHTG 1230™ Fire Suppression System

FK-5-1-12 Clean Agent · Total Flooding · 25 / 42 / 50 Bar

The SHTG 1230™ Fire Suppression System combines uncompromising asset protection with the most responsible environmental profile of any clean agent available today: zero ozone depletion potential and a Global Warming Potential below 1.

Advanced Protection with Environmental Leadership

- Suppresses Class A, B and C fires
- Agent discharge in under 10 seconds
- Stored as liquid, discharges as a clear vapor
- Electrically nonconductive, leaves no residue
- Zero ozone depletion potential
- Global Warming Potential below 1
- Atmospheric lifetime of only 3 to 5 days
- Safe for occupied spaces (NOAEL 10.0% v/v)
- Three operating pressures: 25, 42 and 50 Bar
- UL Listed and FM Approved

The Next Generation of Clean Agents

FK-5-1-12 is stored as a liquid and discharges as a clear, electrically nonconductive vapor, suppressing fires in under 10 seconds with zero residue. Its unique physical properties deliver superior suppression performance while maintaining the lowest environmental impact of any clean agent on the market.

Environmental Responsibility Without Compromise

With zero ozone depletion potential, a Global Warming Potential below 1 and an atmospheric lifetime of just 3 to 5 days, SHTG 1230™ meets the sustainability mandates of the most demanding institutions and future-proofs your investment against evolving environmental regulations.

Protection for Mission-Critical Environments

The system is ideal for occupied spaces and causes no damage to sensitive electronics, irreplaceable documents or valuable collections. Zero cleanup is required after discharge and operations resume immediately, minimizing costly downtime.

Approvals and Standards

The SHTG 1230™ system is UL Listed (UL 2166) and FM Approved (FM 5600). It complies with NFPA 2001, ISO 14520-5, EN 15004-2 and the US EPA SNAP program.

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APPLICATIONS FOR SHTG 1230™ FIRE SUPPRESSION SYSTEM

- Art galleries and museums
- Bank vaults
- Cell sites
- Clean rooms
- Communication centers
- Computer rooms and subfloors
- Control rooms
- Electronic data processing
- Financial institutions
- Healthcare facilities
- Laboratories
- Libraries and archives
- Offshore platforms
- Pharmaceutical facilities
- Process control rooms
- Robotic systems
- Sustainability-driven projects
- Telecommunications facilities
- Telephone equipment rooms
- Transformer and switch rooms

OPERATING PRESSURES AND CYLINDER RANGE	
25 Bar (362 psi)	DOT 4BW500 welded cylinders, 16.7L to 369.0L
42 Bar (609 psi)	TPED/ISO welded and seamless cylinders, 15L to 180L (seamless)
50 Bar (725 psi)	ISO 9809 seamless cylinders, 15L to 180L
Maximum fill	Up to 442.8 kg per cylinder (369L at 25 Bar)
Discharge time	Under 10 seconds at all operating pressures

APPROVALS, STANDARDS AND AGENT PROPERTIES	
Certifications	UL Listed (UL 2166), FM Approved (FM 5600), US EPA SNAP Listed
Design standards	NFPA 2001, ISO 14520-5, EN 15004-2
Extinguishing agent	FK-5-1-12, CAS 756-13-8 (Dodecafluoro-2-methyl-3-pentanone)
Environmental profile	ODP 0, GWP below 1, atmospheric lifetime 3 to 5 days
NOAEL	10.0% v/v, suitable for normally occupied spaces
Physical properties	Boiling point 49.2 C, liquid density 1.60 g/mL, non-flammable

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