□ Chubb 200 Systems

Fire Systems

Prevent Fire | Detect Fire | Contain Fire | Escape Fire



System Benefits

Chubb 200 systems are filled with HFC227ea (heptaflouropropane) commonly known under the trade names FM200 and FE-227. It has been universally accepted as the most suitable extinguishant to supersede Halon 1301. It gives superior extinguishing performance, is an environmentally friendly agent and is safe to use in manned areas. Stopping the fire in these critical first few seconds can save thousands of pounds worth of damage to equipment and consequent loss of production.

- Rapid fire knockdown within ten seconds Chubb 200 will completely extinguish Class A, B and C Fires in ten seconds or less - before the fire can develop
- Minimal oxygen reduction
- Safe in occupied and unoccupied areas Personnel safety in the event of discharging the Chubb 200 system in an emergency is safeguarded as the extinguishant has a low toxicity rating.
- Environmentally safe agent zero ozone depletion Chubb 200 extinguishant agent encompasses all the parameters of the Montreal Protocol and has zero ozone depletion rating and a short atmospheric life span.
- Electrical, pneumatic or manual activation system Activation of the Chubb 200 fire system can be carried out electrically, pneumatically, or manually with either local or remote control.
- Clean agent No particles or oily residues to damage delicate equipment
- Can be linked in to existing detection control systems
- Easily installed and relocated
- Can be located within risk area without the need for a separate cylinder room



□ Chubb 200 Systems □

System Design

Pre - Engineered Systems

These units are pre-engineered with one or more extinguishing nozzles.

A series of these units can be arranged in combination strategically located and operating simultaneously.

- Easily installed and relocated
- Reduction pipework costs
- Minimum cost
- Effective protection

Engineered Systems

These systems are individually designed for each customer's requirement utilising Chubb's Approved Design Manual and Hydraulic Calculations Package.

- Individually tailored to meet exact requirements
- Efficient use of extinguishant
- Cost effective use of pipework, layout and materials
- Effective protection

echnical Data	
	Physical Properties of Chubb 200
Environmental Properties	
Ozone Depleting Potential	0
Atmospheric Lifetime	31 - 42 years
Extinguishing Concentrations	
Class A Hazards	5.8%
Class B Hazards	5.1% - 9.9%
Inerting Concentration (explosion sphere, 70 joules ignition energy)	
Methane	8.0%
Propane	11.6%
Class A Hazards Class B Hazards	7.5% refer to BS ISO 14520.9
Class D Hazards	Teler to BS ISO 14520.9
Cardiac Sensitation	
NOAEL (No Observed Adverse Effect Level)	9%
LOAEL (Lowest Observed Adverse Effect Level)	10.5%
ALC (acute lethal concentration)	>80% at 20% O ₂
Physical Properties	
Chemical Structure	CF ₃ CHFCF ₃
Molocular Weight	
Wolecular Weight	170.3
	170.3 -16.4°C
Boiling point Freezing Point	
Boiling point	-16.4°C
Boiling point Freezing Point	-16.4°C -131°C
Freezing Point Vapour Pressure @ 20°C	-16.4°C -131°C 3.91 bar

Chubb Fire, helping you to:

Prevent Fire | Detect Fire | Contain Fire | Escape Fire

call 0800 32 1666 or visit www.chubb.co.uk

