

# **GEMTEX<sup>®</sup>**

## **FE-13<sup>™</sup> Fire Suppression System**



**FE-13<sup>™</sup> (Trifluoromethane) developed by DuPont is a Clean Agent Fire Suppression System for protecting high-value assets from fire where an electrically non-conductive agent is required. Allows normal operations to be resumed quickly with no collateral damage. Safe for use in occupied spaces.**

### **Extinguishing Agent**

FE-13<sup>™</sup> (Trifluoromethane) is a compound of carbon, fluorine and hydrogen (CHF<sub>3</sub>). It is colorless, odorless and electrically non-conductive. It suppresses fire through a combination of chemical and physical mechanisms with minimal effect on the available oxygen. This allows people to see and breathe, permitting them to leave the fire area safely. FE-13<sup>™</sup> is acceptable for use in occupied spaces when used in accordance with the United States Environmental Protection Agency (EPA) Significant New Alternatives Policy (SNAP) program rules.

### **Approval**

UL Listed – GAQF.EX15590



### **No EPA restrictions**

FE-13<sup>™</sup> contains no chlorine or bromine and its ozone depletion potential is zero. It has a low atmospheric lifetime earning FE-13<sup>™</sup> an “acceptable” rating from the U.S. EPA with no usage restrictions.

### **Applications**

- Industrial high-ceiling spaces
- Data Centres
- Telecommunications facilities
- Offshore oil platforms
- Oil and gas processing facilities
- Pumping stations
- Refinery control areas
- Turbine enclosures
- Electrical installation areas

## FE-13™ CYLINDER SPECIFICATIONS



Descriptions	Cylinder Size	
	24L	80L
Size	24L	80L
Part Number	99-100024-001	99-100080-001
Max. FE-13™ Filled	20Kg	68Kg
Weight of Empty Cylinder	29-30Kg	91-95Kg
Height	1168mm	1625mm
Outer Diameter	178mm	279mm
Manufacturing Standard	DOT 3AA 2265	DOT 3AA 2300
Wall Thickness	Nom. 4.2mm	Nom. 6.6mm
Type of Agent	HFC 23 (FE-13™)	
Cylinder Colour	Red (RAL-3001)	
Manufacturing Process	Pipe Spun Type	
Material	Grade D/4130 x (30CrMo)	
Working Pressure (20°C)	46 Bar	
Test Pressure	260 Bar	
Pressure Resistance Test	24.52Mpa (Approved for high pressure gas)	

## ACTUATOR HOUSING SPECIFICATIONS



Part Number	99-110014-001
Body Material	Brass

## ELECTRIC ACTUATOR SPECIFICATIONS



Part Number	99-110014-A01
Type/Model	Metron Protactor
Country of Origin	UK

## CYLINDER SAFETY BRACKET SPECIFICATIONS



Part Number	08-130022-001
Material	Mild Steel
Thickness	2.3mm

## PRE-ENGINEERED PIPING SPECIFICATIONS



Size	24L		80L	
	Part Number	99-130029-001	99-130026-001	
Piping Material	Seamless Carbon Steel			
Fittings Material	Carbon Steel			
Grade	B/ASTM A106			

## DISCHARGE NOZZLE SPECIFICATIONS



Size	25mm		32mm	
	Part Number	99-130007-001	99-130004-001	
Material	Chrome Brass			
Type	180°			

## VALVE ASSEMBLY SPECIFICATIONS



Size Available	25mm	32mm
Part Number	99-100050-000	99-100086-000
Material	Brass	
Safety Disc	190 Bar	

**GEMTEX®**

**GEMTEX SDN BHD [ 405472-T ]**

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