

## IFP FireChek FE 36 Clean Agent Fire Extinguisher

### DESCRIPTION

The Clean Agent Fire extinguisher is filled with DuPont HFC - 236fa (**FE-36**) the most widely used zero ozone depleting replacement for Halon 1211 in portable fire extinguishers and used for Class **A**, **B** and **C** fires. Compared to Halon 1211, **FE-36** has much lower toxicity and is suitable for use in relatively small enclosures. Nitrogen gas is used in the extinguisher as the expelling agent.

**FE-36** is discharged as a stream of liquid droplets that ceasing the combustion process through heat absorption and a chemical interaction.

### FEATURES

- Available with MS and SS shell.
- Suitable for A, B, C class and electrical fires
- Meets requirements of ISO 7165:1999 & Indian Standard Specification IS 15683:2006
- Easy operation and minimal maintenance
- Odourless, colourless and non-residual clean agent
- Rechargeable
- Operating temperature range is  $-20^{\circ}\text{C}$  to  $55^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $131^{\circ}\text{F}$ )

### APPLICATION

IFP FireChek Clean Agent Portable fire extinguishers are designed for the protection of localized fire hazard of different types. It is useful in industrial and commercial fire protection needs. Different applications include:

- Computer rooms
- Telecommunications
- Process control rooms
- Museums
- Archives
- Marine
- Health care
- Banks
- Laboratories
- Aircrafts etc.



### AGENT

**UL Listed, FM approved.**

**Exceptionally effective fire extinguishant.** The extinguishing concentration (cup burner) of FE-36 is only 5.9% – and because it discharges as a liquid, it also provides a better effective discharge range.

**Safe for sensitive electronic components.** FE-36 is electrically nonconductive, residue-free, and will not cause thermal shock damage.

**EPA/SNAP Acceptance.** FE-36 has been accepted by the EPA for commercial, industrial, and military use under the EPA's SNAP program. It boasts ZERO Ozone Depletion Potential and is NOT scheduled for phase-out by the Montreal Protocol.

**Very low toxicity.** The Lowest Observable Adverse Effects Level (LOAEL) of FE-36 is 15%, well above its extinguishing concentration. Other agents have LOAEL's of only 1% or 2% which is actually below their extinguishing concentrations.

## SPECIFICATIONS

Model	FE1-SM	FE2-SM	FE4-SM	FE2-SS	FE4-SS
MOC	Mild Steel	Mild Steel	Mild Steel	Stainless Steel	Stainless Steel
Agent Capacity (FE 36)	1 Kg	2 Kg	4 Kg	2 Kg	4 Kg
Discharge Time	8-12 sec	8-12 sec	8-13 sec	8-12 sec	8-13 sec
Flow Rate	0.1 Kg/sec	0.2 Kg/sec	0.35 Kg/sec	0.2 Kg/sec	0.35 Kg/sec
Agent Approval	UL	UL	UL	UL	UL
Fire Rating	13B	1A, 21B	2A, 34B	1A, 21B	2A, 34B
Effective Range	2- 2.5 m	2.5-3.5 m	4.0-4.5 m	2.5-3.5 m	4.0-4.5 m
Dimensions Height Diameter	350 mm 108 mm	400 mm 130 mm	465 mm 160 mm	440 mm 110 mm	475 mm 160 mm

## CLEAN AGENT COMPARISON

EXTINGUISHING AGENT	HALON 1211	FE - 36	OTHERS
Chemical Family	BCFC	HFC	HCFC
Acute Toxicity : Cardiotox LOAEL (Lowest Observable Adverse Effects Level) <b>A higher % is less toxic</b>	1%	15%	2%
Acute Toxicity: Cardiotox NOAEL (No Observable Adverse Effects Level) <b>A higher % is less toxic</b>	0.5%	10%	1%
Extinguishing concentration Cup burner, n-heptane	4-5%	5.9%	6-7%
Ozone Depletion Potential - <b>ODP</b> (CFC - 11 = 1.0)	4	0	0.02
Scheduled Production Phase-Out per Montreal Protocol	100% by 1994	None	100% by 2015
Global Warming Potential- <b>GWP</b>	N/A	Moderate	Low

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