

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 15683:2018
- Easy operation and minimal maintenance
- Odourless, colourless and non-residual clean agent
- Rechargeable
- Operating temperature range is -30°C to 60°C (-22°F to 140°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.

Approvals

BIS marked as per IS 15683:2018

Conforming EN 3-7

Specifications

Model	FE1-SM	FE2-SM	FE4-SM	FE2-SS	FE4-SS	FE6-SS
Part Number	301010	301021	301031	301020	301030	301040
MOC	Mild Steel	Mild Steel	Mild Steel	Stainless Steel	Stainless Steel	Stainless Steel/ Carbon Steel
Agent Capacity (FE 36)	1 Kg	2 Kg	4 Kg	2 Kg	4 Kg	6 Kg
Discharge Time	8-12 sec	8-12 sec	8-13 sec	8-12 sec	8-13 sec	12-15 sec
Flow Rate	0.1 Kg/sec	0.2 Kg/sec	0.35 Kg/sec	0.2 Kg/sec	0.35 Kg/sec	0.44 Kg/sec
Agent Approval	UL	UL	UL	UL	UL	UL
Fire Rating	8B	21B	1A, 34B	21B	1A, 34B	2A, 55B
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	5.0-6.0 m

Clean Agent Comparison

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

Ordering Information

Part Number	Description	Weight (kg)
301010	Clean Agent Extinguisher, Mild Steel, 1kg	2.6
301020	Clean Agent Extinguisher, Stainless Steel, 2kg	3.5
301021	Clean Agent Extinguisher, Mild Steel, 2kg	4.0
301030	Clean Agent Extinguisher, Stainless Steel, 4kg	6.0
301031	Clean Agent Extinguisher, Mild Steel, 4kg	6.8
301040	Clean Agent Extinguisher, Stainless Steel, 6kg	8.4
301040-1	Valve	--
301040-2	Pressure Gauge	--
301040-3	Nozzle for 1kg capacity extinguisher	--
301040-4	Hose for 2kg, 4kg capacity extinguisher	--
301040-5	Hose for 6kg capacity extinguisher	--

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