

DuPont FE36 CLEAN AGENT MODULAR

KANEX presents modular type FE36 clean agent gas along with range of gaseous automatic fire extinguisher which keep guard and extinguishes fire quickly and efficiently especially in close places where fire could cause extensive damage if not detected and extinguished in time.

FEATURES



- ✓ Provides concentrated fire protection for vital equipment
- ✓ Highly cost effective compared to automatic fixed fire protection systems
- ✓ It is a portable unit, easy to install and re-locate
- ✓ Imported pressure gauge fitted for instant verification of functionality and reliability of every unit
- ✓ Automatic and reliable security round the clock
- ✓ Provides security in case of emergencies and power failure without power backup
- ✓ Rechargeable and easy to service
- ✓ Clean Agent Extinguish is also available with agent HCFC or HFC base - EPA and snap approved

DuPont FE 36 Clean Agent Approvals



Comparative Advantages of FE - 36

- It does not contain d-limoene, which is flammable non volatile residue. Extinguishing agents containing d-limoene may leave a coating of d-limoene. In FE-36 variation between atmospheric temperature and boiling point is less, hence it does not leaves any condensed moisture as in case of CO₂.
- FE 36 is not scheduled for phase out as HCFC like Halotron I, which contains Chlorine. The B.P of FE 36 is -1.40C, hence is discharged as gas, unlike Halotron I, which comes out as a liquid. The Extinguishing concentration of FE 36 is well above NOAEL and LOAEL values. NO CL2 BR2 . NO PHASEOUT : MONTREAL PROTOCOL

Properties of DuPont FE 36 Clean Agent	
Chemical Formula : 1,1,1,3,3,3 Hexa Fluoro Propane	
Molecular Weight	152
Boiling point	-1.4 °C
Freezing Point	-103 °C
Maximum Fill Density	1.20 gm/ml.
Specific gravity	1.34 gm/ml.
Scheduled Production Phase out per Montreal Protocol	None

Comparisons between Clean Agents			
Extinguishing Agent	HALON 1211	HALOTRON I	KANEX FE-36
Chemical Family	BCFC	HCFC	HFC 236 fa
Acute Toxicity: Cardiotox LOAEL (Lowest Observable Adverse Effects Level) A higher % is less toxic.	1%	2%	15%
Acute Toxicity: Cardiotox NOAEL (No Observable Adverse Effects Level) A higher % is less toxic.	0.50%	1%	10%
Extinguishing Concentration, Cup Burner, n-heptane	4-5%	6-7%	5.90%
Ozone Depletion Potential—ODP (CFC-11 = 1.0)	4	0.014	0
Global Warming Potential—GWP	N/A	Low	Moderate
Atmospheric Lifetime	Low	Low	Moderate

PERFORMANCE DATA

SIZES	MODEL	PROPELLANT	WORKING PRESSURE	TESTING PRESSURE	AREA PROTECTION	VOLUME PROTECTION	HANGING VERTICALLY ABOVE RISK	OPERATION TIME IN SECONDS	CLEAN AGENT
1	2	3	4	5	6	7	8	9	10
2kgs	KMC - 2	Nitrogen	7 to 15 kgs/cm ²	35 kgs/cm ²	1 to 1.5m ²	2.5m ³	1.5m	6-8	CLEAN GAS
5kgs	KMC - 5	Nitrogen	7 to 15 kgs/cm ²	35 kgs/cm ²	2 to 2.5m ²	6m ³	1.5 to 2m	8-10	CLEAN GAS
10kgs	KMC - 10	Nitrogen	7 to 15 kgs/cm ²	35 kgs/cm ²	4 to 5m ²	10m ³	1.75 to 2.25m	10-15	CLEAN GAS
15kgs	KMC - 15	Nitrogen	7 to 15 kgs/cm ²	35 kgs/cm ²	5 to 6m ²	15m ³	2 to 3m	15-20	CLEAN GAS