

AUTOMATIC CLEAN AGENT



Automatic Clean Agent Extinguishing modular type is a special design, where in the clean agent is automatically ejected through the sprinkler head, after release of the thermo safety device on reaching a temperature of 68°C.

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



C Burning gases emerging under pressure. e.g. propane, butane, methane, acetylene, town gas.



Fires on electrical plants.

Model		AQF1	AQF2	AQF6	AQF10	AQF15	AQF20	AQF25	AQF30
Agent Weight	(Kg)	1	2	6	10	15	20	25	30
Minimum Fill Range	(Kg)	0.4	0.8	2.5	4	6	8	10	13
Maximum Fill Range	(Kg)	1	2	6	10	15	20	25	31
Pressure	(Bar)	15	15	15	15	15	15	15	15
Enclosure Volume (M ³) Protected By HFC227ea With 7% Conc. @ 21°C *	(Min.)	-	-	4.56	7.30	10.95	14.60	18.25	23.73
	(Max.)	-	-	10.95	18.25	27.38	36.51	45.64	56.59
Enclosure Volume (M ³) Protected By FK-5-1-12 With 4.5% Conc. @ 21°C *	(Min.)	-	-	3.83	6.13	9.19	12.25	15.31	19.91
	(Max.)	-	-	9.19	15.31	22.97	30.63	38.28	47.47
Cylinder Dimension **	H (mm)	-	-	340	460	500	565	490	550
	D (mm)	-	-	Ø 280	Ø 280	Ø 280	Ø 280	Ø 370	Ø 370
Temp. Rating	Standard is 68°C (57°C / 79°C / 93°C / 141°C can be supply upon request)								

* Considering standard gas concentration for Class C hazard as per NFPA 2001-2018 edition, table A.5.4.2.2(b).

** Tolerance of enclosure height (H) is 10mm and diameter (D) is 5mm.

HEAD OFFICE:

PO BOX 73111 SPC FREE ZONE SHARJAH
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Extinguishing Agent
HFC227ea
CF₃-CHF-CF₃

Heptafluoropropane fire suppression agent is the first environmentally acceptable replacement for Halon 1301. It has zero ozone depleting potential, a low global warming potential, and a short atmospheric lifetime. It is particularly useful where an environmentally acceptable agent is essential, where clean-up of other media presents a problem, where weight versus suppression potential is a factor, where an electrically non-conductive medium is needed, and where people compatibility is an overriding factor. Clean Agent can be used to protect a wide range of applications from sensitive electrical equipment to industrial applications using flammable liquids. Consult the current NFPA Standard 2001 for specific applications. Clean Agent fire suppression agent is used with total flooding systems.

Clean Agent can be used on many types of fires. It is effective for many surface fires, such as flammable liquids, and most solid combustible materials.

Clean Agent is manufactured to these specifications:

Molecular Formula	CF ₃ -CHF-CF ₃
Form or Odor	Colorless, Odorless Liquefied Compressed Gas
Molecular Weight	170.03
Boiling Point	-16.4°C / 2.48°F
Melting Point	-131°C / -203.8F
Critical Temperature	101.7°C / 215.1°F
Critical Pressure	422.3 PSIA
Vapor Pressure @ 21°C/70°F	58.8 PSIA
Concentration % by Volume	
Class A	6.7%
Class B*	8.7%
Class C	7%

* Please see NFPA 2001 Annex B for detailed information

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