

TOTAL FLOODING SYSTEMS

FLUOROKETONE-FK (PRODUCT OVERVIEW)

The Ceasefire Inert Gas suppression system uses fluoroketone as an extinguishing agent. The system leaves no residue behind and is designed to protect enclosures where there is a need for a quick reaction to extinguish a fire. Once activated, the system dumps FK gas into the fire zone, bringing the oxygen concentration in the fire zone below the fire threshold point. While the oxygen level is lowered, the system does not eliminate oxygen from the space altogether, leaving enough oxygen to support life but not fire!

HFC227ea (PRODUCT OVERVIEW)

As the names suggest, the agents used are inert gases, which are absolutely safe for electronic equipment and are non-corrosive. The Ceasefire Inert Gas suppression system makes use of the clean agent HFC 227ea as an extinguishing agent. It leaves no residue behind and is designed to protect isolated areas where there is a need for a quick reaction to extinguish a fire. By reducing the amount of oxygen in the premises, the fire is easier to contain. The system does not eliminate oxygen from the space altogether. There is still enough oxygen present to support proper breathing as anyone in the immediate area moves along the escape route and exits the room.



ENGINEERING DRAWINGS

Table -1: Size ,Dia. & Length of Fixed Fire Extinguishing System		
Seamless		
Container size (Ltr.)	Diameter mm (Approx.)	Length 'L' mm (Approx.)
22	232	1003
34	232	1323
50	356	1073
80	356	1348
100	356	1568
120	356	1788
140	356	2053
150	356	2118
Welded		
Container size (Ltr.)	Diameter mm (Approx.)	Length 'L' mm (Approx.)
22	250	867
34	250	1130
50	300	1248
80	350	1308
100	350	1531
120	400	1450
150	450	1442
180	450	1644

FK-5-1-12 agent based Fixed Fire Extinguishing System
Product code CF-001534

Table -1: Size ,Dia. & Length of Fixed Fire Extinguishing System		
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22	232	1003
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HFC-227ea agent based Fixed Fire Extinguishing System
Product code CF-000791



TECHNICAL SPECIFICATIONS

Product Code	UOM	CF-001534	CF-000791
Description	—	FK-5-1-12 (1,1,1,2,2,4,5,5,5,-Nonafluoro-4-(trifluoromethyl)-3-pentanone) agent based Fixed Fire Extinguishing System	HFC-227ea (1,1,1,2,3,3,3 - heptafluoropropane) agent based Fixed Fire Extinguishing System
NOAEL of extinguishing agent	L	10	9
LOAEL of extinguishing agent	—	>10.0	10.5
Capacity of Agent Container	—	22, 34, 50, 80, 100, 120, 140, 150, 180	22, 34, 50, 80, 100, 120, 140, 150, 180
Filling Ratio of Container	—	0.485-1.15kg/L	0.485-1.15kg/L
Agent Container (Type & Approval)	—	C.S. Seamless (PESO/TPED) and Welded (PED)	Seamless (PESO/TPED) and Welded (PED)
System Certification	SEC.	LPCB as per LPS 1230	LPCB as per LPS 1230
System Design	BAR	NFPA-2001 ISO 14520-1 ISO 14520-9 BS EN 15004-2 BS EN 15004-5	NFPA-2001 ISO 14520-1 ISO 14520-9 BS EN 15004-2 BS EN 15004-5
Discharge Time of extinguishing agent (Min.-Max.)	—	6 TO 10	6 TO 10
Approx. System Pressure (@ 21 Deg. C)	°C	25/42	25/42
Type of Operating Mechanism	—	Automatic/Manual	Automatic/Manual
Operating Temperature Range	—	0 to +50	0 to +50
Application and design concentration	MM	Class A (4.5%) Class B Class C(4.5%).	Class A (6.7%) Class B Class C (7%).
Type of valve & Approval	—	Dn38 Valve with 25 BAR / 42 BAR - Vds Approved DN50 valve with 25 BAR / 42 BAR - Vds Approved	Dn38 Valve with 25 BAR / 42 BAR - Vds Approved DN50 valve with 25 BAR / 42 BAR - Vds Approved



Product Code	UOM	CF-001534	CF-000791
Nozzle Size	—	15, 20, 25, 32, 40, 50	15, 20, 25, 32, 40, 50
Nozzle Material & Type	—	Brass & 180° & 360°	Brass & 180° & 360°
System Network Piping	YEAR	C.S./M.S. Seamless To ASTM A-106, SCH. 40	C.S./M.S. Seamless To ASTM A-106, SCH. 40
Manifold	YEAR	Fabricated from C.S./M.S. Seamless pipe To ASTM A-106, SCH. 80/SCH. 40	Fabricated from C.S./M.S. Seamless pipe To ASTM A-106, SCH. 80/SCH. 40
Product Warranty	YEAR	1	1

CERTIFICATIONS



PRODUCT PICTURES



*v1' Published Date is 31-07-2022.

**Regular R&D and product improvisations may lead to change in product specifications in this data sheet, without any prior notice.

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