

DuPont FE 36 CLEAN AGENT FIRE EXTINGUISHERS

PERFORMANCE DATA

MODEL	KCA 2	KCA 4	KCA 6
Capacity	2 kg	4 kg	6 kg
Design	Hose & Nozzle		
Fire Rating	8B	1A : 13B	1A : 21B
Height (Approx.)	380 mm.	490 mm.	530 mm.
Diameter (Approx.)	106±10 mm.	140±10 mm.	150±10 mm.
Average Discharge time	12.5 Sec.	14 Sec.	22 Sec.
Average Range of throw	3 m.	3.5 m.	4 m.
Average % Discharge	96%	97%	96%
Operating Temperature	-20 °C to +55 °C	-20 °C to +55 °C	+5 °C to +55 °C
Service Pressure (Ps)	9 bar.		
Max. Service Pressure (Pms)	13 bar.		
Test Pressure	35 bar.		
Expelling Agent	Nitrogen (UHP Grade)		
Full Weight (Approx.)	3.6 kg.	6.7 kg.	8.9 kg.
Empty Weight (Approx.)	1.6 kg.	2.7 kg.	2.9 kg.
Shipping Weight (Approx.)	3.8 kg.	7.0 kg.	9.2 kg.
Packing Standard	Inner- 13.75"X4.75"X4.75" Outer (4 in 1)- 16.5"X10"X10"	2 in 1- 21"X6.75"X14.10"	2 in 1- 22.5"X6.75"X14.10"
Mounting Bracket	Vehicle/Wall bracket	Wall Barcket	
Approvals	BIS & CE (on request)		

Fire Rating as per IS 15683:2006

MODEL	A	B	Factory Tested A:B
KCA 2	--	8B	13B
KCA 4	1A	13B	1A:21B
KCA 6	1A	21B	1A:34B
Higher Fire Ratings			
KCA 2	1A	21B	--
KCA 4	1A	21B	--
KCA 6	--	--	1A:34B

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%
Scheduled Raw Material Production Phase-Out per Montreal Protocol *	-100% by 1994	-100% by 2015	None
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

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