



COMPRESSED AIR FOAM SYSTEM (KANEX_{CAFS})

CAFS technology Compressed Air Foam Systems are self contained stored-energy fire suppression unit which have added ability to inject compressed air into the foam solution to generate a powerful fire attacking and suppression foam. This type of foam has tighter and denser bubble structure than pure water or standard foam solutions. This bubble structure allows the foam to adhere on vertical and horizontal surfaces as well as penetrate fires deeper before the bubbles are broken down, allowing the latent water to be more effective.



Class A



Class B



Electrical
(Electrical Resistant Nozzle Tip
On Request)



FEATURES

- Easy to operate and highly effective
- Complete atomisation takes place inside the valve head
- Low maintenance and high reliability
- For ordinary and professional users
- Large area coverage
- Wet & Dry Foam technology for long range & more denser foam structure
- Tested & Passed for electrical conductivity test in NABL approved ERDA laboratory for 36kV from 1 Mtr distance with Dry mode

Effectiveness : CAFS truly attacks all sides of the fire tetrahedron by smothering the fire with a "foam blanket", thus preventing oxygen from combining with fuel. It diminishes the heat by insulating, using the trapped air within the bubble structure and the bubbles actually reflect radiant heat, thus preventing excess heat from adding to the fire. This prevents additional fuel from reacting with the fire by providing a barrier. Finally, CAFS has been shown to disrupt the chemical reaction required for fire to continue. CAFS is 15 to 30 times more effective than water alone or foam solution.

Ideal Use:

Hospitals , Industries , Power plant , Offshore & Marine etc.

Fire Rating

MODEL	EN3 Rating
KCAFS-10	27A : IIB*
KCAFS-50	43A : IIB*
KCAFS-100	55A : 233B*

Models:

- 10 litre Portable Fire Extinguisher with Back Pack
- 50 litre Trolley Mounted
- 100 litre Trolley Mounted

TECHNICAL SPECIFICATION

MODEL NO.	KCAFShQ-10	KCAFShQ-50	KCAFShQ-100
Capacity	10 Ltr	50 Ltr	100 Ltr
Operating Pressure	18 bar Approx**	22 bar Approx**	8 bar Approx**
Temperature	+5° C to +60° C	+5° C to +60° C	+5° C to +60° C
Flow Rate	11 Ltr/Min (Wet) / 5.4 Ltr/Min (Dry)	13.6 Ltr/Min (Wet) / 7.1 Ltr/Min (Dry)	30 Ltr/Min (Wet) / 20 Ltr/Min (Dry)
Operating Time (Wet/Dry))	55 Sec (Wet) / 115 Sec (Dry)	220 Sec (Wet) / 420 Sec (Dry)	200 Sec (Wet) / 300 Sec (Dry)
Work Range (Wet/Dry)	12 M (Wet) / 8 M (Dry)	13 M (Wet) / 8 M (Dry)	15 M (Wet) / 12 M (Dry)
Size	720 x 300 x 220 mm (H x B x T)	1130 x 570 x 480 mm (H x B x T)	900 x 1000 x 1900 mm (H x B x L)
Weight (Approx)	13 KG Empty / 23 KG Filled	45 KG Empty / 95 KG Filled	100 KG Empty / 200 KG Filled
Fire Rating Performance	27A : 233B-IIB*	43A : 233-IIB*	55A : 233B*
Electrical Devices	Tested and Passed at 36kV from 1mtr distance in Dry mode		—
Length of hose	2 M	10 M	15 M
Propellant	2l/300 bar Compressed Air (200 bar on request)	6l/300 bar Compressed Air (200 bar on request)	10.2l / 300 bar (2 Nos)
Extinguishing Agent	Foam Agent (AFFF UL Listed)		
Approvals	CE / ERDA		—

* Indicates Factory Tested

** 12 bar variant also available