

# COMPRESSED AIR FOAM SYSTEM (CAFS)

PORTABLE TYPE-SFCAF 10G, SFCAF 20G, SFCAF 30G

TRAILER TYPE-SFCAF 60G, SFCAF 100G, SFCAF 200G, SFCAF 300G

## DESCRIPTION

SHIELD CAFS is a general Firefighting system for all type of fire, saves resources, reduces damage to environment and offers other benefits for the users. CAFS Core System substitutes the future for effective Fire Fighting.

Engineered and developed with background of practical experience the focus was laid on the overall functionality including easy handling and reliable quality foam.

Two different type of foam—wet and dry, easily to be changed during operation. Extremely long duration. Excellent extinguishing capacity when in use for highly flammable material, i.e. burning plastics, rubber.

SHIELD CAF system comprises to NFPA 11 for compressed air foam systems. Special Class A & B foam are used for effective extinguishing capability. Foam tanks are designed and manufactured as per European Directive 97/23/EC using Stainless steel 316L grade sheets. Foam tanks are Electrostatic powder painted and mounted on grid constructed easily maneuvered trolley. Special discharge gun are provided for capacity up to 30 Gallons and Turbo jet nozzles are provided for capacities above this capacity.

## BENEFITS OF CAFS

- Special high energy foam, which has 20 times effective wetting ability than plain water.
- Long discharge range than conventional foams.
- Good adhesion to vertical surfaces.
- Good adhesion to horizontal & inclined surfaces to isolate and insulate the fire source.
- Reduce heat radiation and propagation that in turn prevents Fire spread to nearby source.
- Super cools the environment providing a well-protected area.
- Highest volume of foam possible.
- Reduces property damage with dry foam.
- Suitable to isolate HAZMAT (Hazardous Material) spills and leakages.

## FEATURES

- Immediately isolate the surrounding Fire, protects transferring the fire to other places and prevent ignition of Fire further.
- Saving time and water for Civil Defense Personnel while they fight with Fire.
- Reducing damage to structures happens due to water.
- Allows Firefighters a better safety distance from Fire.
- Light hose lines for less stress for Fire-Fighters.
- Less environmental damage.
- Foamed areas signal a cooled surface.
- Less water runoff carrying pollutants.
- Reduced smoke emissions
- Less pressure needed due to lack of friction loss.



## TECHNICAL DATA

Model No		SFCAF 10G	SFCAF 20G	SFCAF 30G
Capacity (gallon)		10	20	30
Working Pressure		8 bar	8 bar	8 bar
Test Pressure		30 bar	30 bar	30 bar
Discharge Duration	Dry	1.7 min.	3.5 min.	5 min.
	Wet	1 min.	1 min.	4 min.
Flow range (Mtrs.)		15	15	15
Foam discharge		Wet Type & Dry Type		
Compressed Air Cylinder Pressure		150/200 bar		

Model No	SFCAF 60G	SFCAF 100G	SFCAF 200G	SFCAF 300G
Capacity (gallon)	60 gal	100 gal	200 gal	300 gal
Working Pressure	8 bar	8 bar	8 bar	8 bar
Test Pressure	30 bar	30 bar	30 bar	30 bar
Discharge Duration (min)	3	5	5	8
Flow range (Mtrs.)	25	25	25	25
Nozzle type	Turbojet Nozzle 1½"			
Foam Discharge	Wet Type & Dry Type			
Compressed Air Cylinder Pressure	150/200 bar			

**\*NOTE:** 2 ½" nozzle size available upon request