



CAFS stand for Compressed Air Foam System which is a new concept for foam system with higher expansion ratio, finer foam and better cooling functionality, excellent adhesion as well as suffocation. .

Due to the fine and homogeneous Foam Structure with the maximum size up to 200-300 μ m excellent adhesion of CAF foam to smooth and vertical surfaces, such as concrete and wooden made wall surface, the surface of the tree and flower/grass, also the excellent throw range and superb throw height can withstand heavy wind. .

The BACKPACK CAFS extinguisher is an ideal fire extinguishing system with compact design, good appearance, light weight and easy to use. more options are available, it also can be customized upon your operation-specific requirement.

Standard Configuration:

Extinguishing Agent Tank::	Max. storage quantity 12L, 16bar, 316 Stainless steel Mounted with protection cap, safety valve, liquid filling valve etc. Setting pressure for safety valves is12bar.
Compressed Air Bottle:	300bar,3L
Air Regulator:	316 Stainless steel
Hose:	DN10mmx1.5m(Any other requirement, pls contact VISION)。
Nozzle:	CAF nozzle with fixed full jet (High Strength Aluminum Alloy)

Option:

Breathe Apparatus	3L
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Technical Data:

Nominal Fill Quantity:	12L
Flow rate:	9L/Min
Operational Duration:	75s
Throw Range/Height:	12m
Extinguishing Class::	4A144B
Expansion Ratio:	Approx.10-12 for wet CAF foam
Drainage time:	10-60min. (Depending on foam concentrate used)
Filled Weight:	12kg(Total Weight 19.5kg with Breathe Apparatus)
Unfilled Weight:	24kg(Total Weight 33.5kg with Breathe Apparatus)

Operation and Maintenance

- Operation:** Opening the valve of the compressed air bottle then activating the CAF nozzle to jet
Closing the valve of the compressed air bottle to stop jetting, it's safety and stable due to the normal pressure inside of the extinguishing agent tank。
- Agent Filling:** The foam agent can be filled via filling inlet on the tank cover,
the safety valve shall be opened while filling the foam agent
- Gas filling:** Disassembly the hose, then pressurized the gas into the compressed air bottle by high filling pump
- Flushing:** To wash the agent tank by opening the drainage valve on the bottom of tank
- Maintenance:** It's easy to do the maintenance on internal parts by opening the cover.
- Foam Agent:** SOLBERG RE-HEALING RF3,3%(Class B,A, 100%Flurine-free, Environment-friendly)
Jiangsu Suolong Foam Concentrate
Other Foam Concentrates available

Remark: The expansion ratio, throw range, size of foam particle dispersion as well as adhesion depend on the foam agent used and ambient temperature, Our test is based on foam concentrate supplied by Jiangsu Suolong Fire Science &Technology Co.,Ltd.。