

Main Catalogue



Product Type	Concentration	Product Name	Aviation	Marine	Fire Brigades	Industry	Mining	Aerial App.
FLUORINE FREE (NEWTONIAN)	0.5%	Silvara ZFK	✓	✓	✓	✓	✓	✓
	1%	Silvara 1	✓	✓	✓	✓	✓	
	3%	Silvara K3	✓	✓	✓	✓	✓	
		Silvara T3	✓	✓	✓	✓	✓	
FLUORINE FREE (ANTIALCOHOL)	1x3%	Silvara APC 1	✓	✓	✓	✓	✓	
	3x3%	Silvara APC 3	✓	✓	✓	✓	✓	
AFFF	0.5%	BoldFoam 05	✓	✓	✓	✓	✓	
	1%	BoldFoam AFM-1	✓	✓	✓	✓	✓	
		BoldFoam BF-100	✓	✓	✓	✓	✓	
	3%	BoldFoam B3-C	✓	✓	✓	✓	✓	
		BoldFoam B3F	✓	✓	✓	✓	✓	
		BoldFoam BF-300	✓	✓	✓	✓	✓	
	6%	BoldFoam BF-601	✓	✓	✓	✓	✓	
		BoldFoam B6F	✓	✓	✓	✓	✓	
		BoldFoam B6E	✓	✓	✓	✓	✓	
		BoldFoam B6	✓	✓	✓	✓	✓	
AFFF/AR (NEWTONIAN)	0.6%	BoldFoam 6000	✓	✓	✓	✓	✓	
	1%	ATILA	✓	✓	✓	✓	✓	
		NEPT1	✓	✓	✓	✓	✓	
AFFF/AR	3%	BoldFoam 611	✓	✓	✓	✓	✓	
		BoldFoam 633	✓	✓	✓	✓	✓	
AFFF/AR	1x3%	BoldFoam B13	✓	✓	✓	✓	✓	
		BoldFoam BF-130	✓	✓	✓	✓	✓	
	3%	BoldFoam B33	✓	✓	✓	✓	✓	
		BoldFoam B33F	✓	✓	✓	✓	✓	
	3x6%	BoldFoam BF-330	✓	✓	✓	✓	✓	
	6%	BoldFoam B36	✓	✓	✓	✓	✓	
CLASS A	0.3%	BoldFoam B+	✓	✓	✓	✓	✓	
		B-Water	✓	✓	✓	✓	✓	
		BoldFoam AM	✓	✓	✓	✓	✓	
MULTIEXPANSION	2%	BoldFoam HF-30	✓	✓	✓	✓	✓	
		BoldFoam M2	✓	✓	✓	✓	✓	
	3%	BoldFoam M3	✓	✓	✓	✓	✓	
	6%	BoldFoam M6	✓	✓	✓	✓	✓	
FOREST FIRE RETARDANT	0.1-1%	WhitEx	✓	✓	✓	✓	✓	
	100%	WhitEx LF	✓	✓	✓	✓	✓	
TRAINING	0.3%	BoldFoam TRC	✓	✓	✓	✓	✓	
	1x3%	BoldFoam STP	✓	✓	✓	✓	✓	
EXTINGUISHERS	10%	BoldFoam XT-10	✓	✓	✓	✓	✓	
	100%	BoldFoam F-40	✓	✓	✓	✓	✓	
	100%	Silvara Tantum NEW	✓	✓	✓	✓	✓	

Everyone of our products with fluorine are manufactured exclusively with C6 Fluorosurfactants (No PFOS), according to "EPA 2010/2015 PFOA Stewardship Program". Everyone of our fluorine free products contain 0.0% fluorosurfactants, 0.0% fluoropolymers and 0.0% silicon.



FLUORINE FREE foams

Low Viscosity - Newtonian products
Efficiency and environmental care

Specialized in CAFS

Very concentrated foams ≤ 1%
Better use, storage and logistics



Adaptability, quickness

New products created on demand

Fire Response
Innovative Solutions Specialist

Exclusive Australia Distributor

www.fireresponse.com.au
02 4944 7700
firemail@fireresponse.com.au

Calle Galileo Galilei, 177; 33211 Gijón, Asturias, SPAIN | (+34) 985 30 71 45 | info@vsfocum.com

VS FOCUM

Facta, non verba



vsfocum.com

**FIREFIGHTING
FOAM
CONCENTRATES**

About VS FOCUM

Focused on extinguishing fires by foam, VS FOCUM is established in 2002 with highly experienced staff both in research as well as manufacturing and quality control of firefighting foam concentrates.

Since the beginning, VS FOCUM was based in offering brand new original formulations, highly contrasted. Following that way, we entered the foam market in a safe way - *rejecting the idea of mass production of cheap, low-quality foams* - guaranteeing the resources for the necessary continuous research and development to be on top of the continuous evolution of firefighting foam concentrates.

As a result of the continuous environmental and technical challenge (explained by the appearance of new fire standards and restrictions on several raw materials), this helps us to specialize in very concentrated products for use in CAFS (Compressed Air Foam Systems). This way, VS FOCUM is gradually conquering markets that demanded special conditions for extinguishing where previous foam solutions didn't work.

What makes us different?

- 24 / 7 / 365 : Always available for emergencies
- INNOVATION : Unique world-class certified products
- ADAPTABILITY : We create foams on demand for any risk
- QUICK ANSWER : Analysis, enquiries and ready-to-ship stock

Main fire risk scenarios

AVIATION



MARINE / OFFSHORE



FIRE BRIGADES



INDUSTRY



MINING



AERIAL FIREFIGHTING



Foam Analysis

CONTROL (Small Scale)



CERTIFICATE (Large Scale)



CAFS

EXTINGUISHING
with Wet Foam

PROTECTING
with Dry Foam

SILVARA ZFK

The most effective and concentrate Fluorine Free Class B

BOLDFOAM A+

Wetting / Foaming / Cooling

BOLDFOAM 05

Hydrocarbon Fires fought with wet/dry foam

BOLDFOAM 6000

For all kind of risks

MARINE

The best performance
with sea water

NEPT1

The IMO/ICAO combination

BOLDFOAM M2

Improving the sea water use

100% SOLUTIONS

Extinguishing Solutions
Ready for use

BOLDFOAM F-40

The most efficient oil extinguishing

SILVARA TANTUM

Fluorine Free Freeze Protected

TRAINING

All expansions, all types of water

BOLDFOAM STP

Learning to extinguish - not just applying foam

AVIATION

Fast extinguishing
Reliable resistance

ATILA

All in 1

THE TIMES - THEY ARE A CHANGIN'

VS FOCUM commits to the idea of having the fastest extinguishing - providing the surest and safest way to avoid the effects of fires. We believe in a way to protect human lives and properties in the most efficient way, along with the minimal environmental impact of our products.

How do we do it?

VS FOCUM only manufactures high-quality synthetic-based firefighting foam concentrates. We rejected the production and commercialization of protein-based foams (despite their good oleophobicity and subsurface application) due to their reduced shelf life.

Our family of AFFs and AFF-ARs rely on the minimum quantity of fluorine content possible to provide an environmentally friendly extinguishing. The fluorine compounds in our formulations only possess C6 technology.

With the introduction of Silvara 1 in 2012 into the market, we developed a new range of completely fluorine free (and silicon free) world-class quality foams, including well-known products as Silvara ZFK, Silvara K3, Silvara APC 1 and Silvara APC 3, with the latest adding of Silvara Tantum.



Fluorine Free Technology in VS FOCUM

There are three key directions in our R+D towards creating the best environmental foams:

- 1) **Newtonian (Low Viscosity) better than Pseudoplastics**
No problems with gellification, pipe jams or peel formation
- 2) **The more concentrated the product is - the more advantages it carries (0.5% is always better than 3%)**
More economic logistics - More autonomy - Less storage
- 3) **Highest biodegradation along with lowest damage in soil contamination and water treatment.**
Although extinguishing is essential, doing it in the less harmful way is vital



Measuring the environmental impact (Toxicological Analysis)

VS FOCUM takes special care in 'what happens' after the use of our foam concentrates. There are four essential elements when evaluating the post-use impact:

- 1) **Wastewater analysis:**
Effects and toxicity of dissolved matters on algae, daphnia and fishes
Biodegradation test
- 2) **Fire-hygienic test**
Skin/Eye irritation, acute oral toxicity, microbiological examination
- 3) **Biochemical and Chemical Examination**
Including determination of fluorinated surfactants
- 4) **Water Hazard Classification**



THIS IS OUR WAY FOR EXTINGUISHING: FAST, CLEAN, SAFE