



HNE MFU
Barracuda

**HIGH-PERFORMANCE
CAFS SYSTEM**

COMPACT, MOBILE EXTREMELY EFFICIENT

*Highest mobility at maximum power!
The fastest way to reach the fire
and act without any loss of time.*

INSTALLATION ON SMALL VEHICLES

The compact, self-sufficient Mobile Foam Unit **MFU Barracuda** (combined with a water tank) is installed onto small, agile vehicles such as: Quads, ATVs, ultralight transporters or trailers.

The unit is started in seconds and can generate up to 12 litres of foam out of one litre of water.

With a high flow rate and high pressure jet you can stay at a safe distance from the fire. The 30 m hose on the built-in reel gives you an extra high radius of action.

The compact HNE **MFU Barracuda** is based on a patented high-pressure mixing technology and can create either wet spray foam or dry adhesive CAFS foam.



MFU Barracuda (2018 Version) on a pickup truck

MOTORIZED CAF-SYSTEM

WATER OR FOAM

- fast switching between water and foam mode
- variable foam admixture
- water-to-foam ratio of up to 1:12

ENORMOUS PERFORMANCE

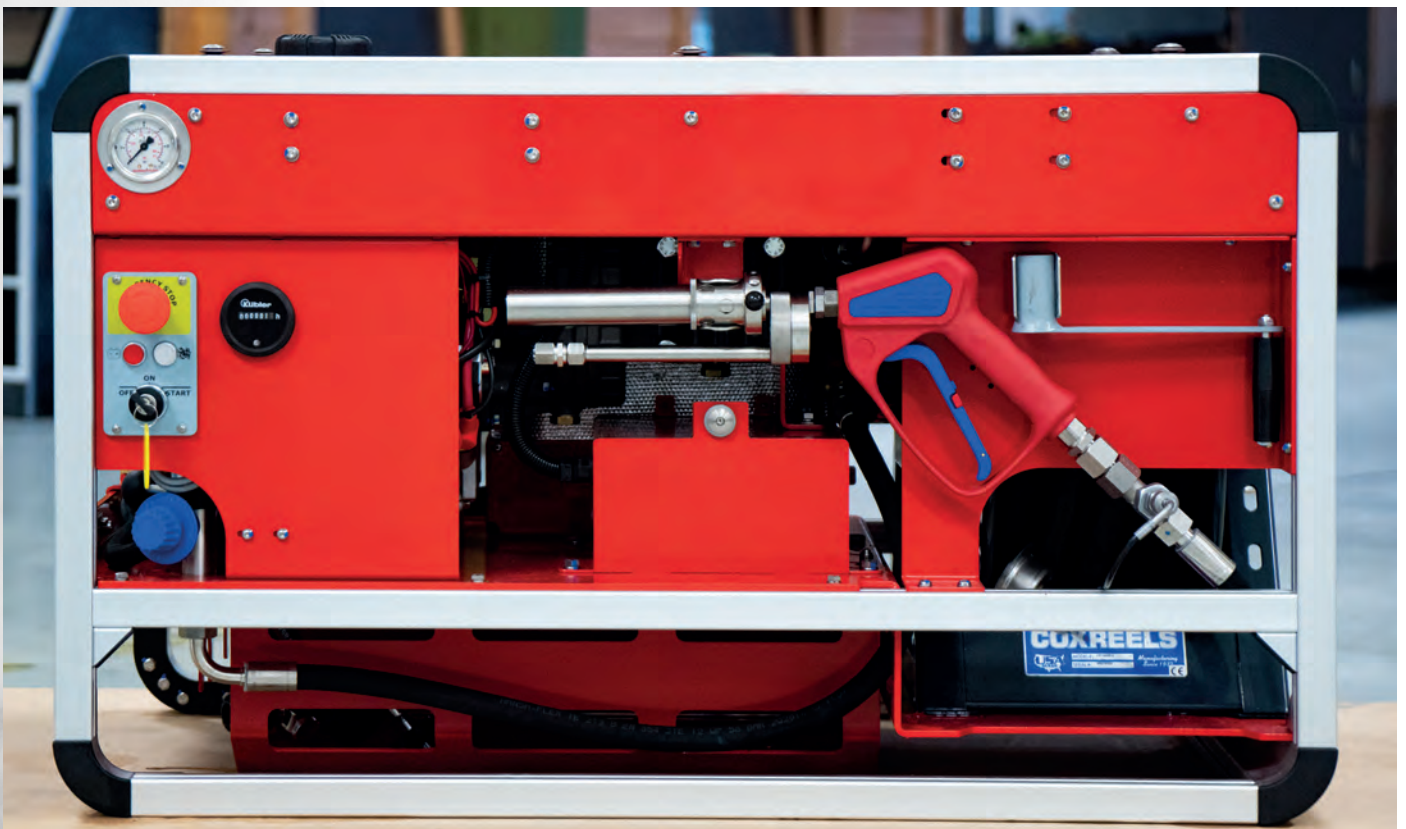
- 40 bar working pressure enables up to 19 m of throwing distance in water mode
- in CAFS foam mode – up to 300 litres per minute
- in water mode – up to 50 litres per minute

OPERABLE BY A SINGLE PERSON

- straightforward layout of the controls
- CAFS function can be activated with a single touch
- no tools required to refill and maintain the system

WIDE FIELD OF APPLICATION

- space-saving with compact dimensions – even for small vehicles
- low weight (ca. 120 kg) doesn't require additional upweighting
- various sizes of water tanks make it highly flexible



MFU Barracuda (2020 Version)

PERFECT MODE FOR EVERY SITUATION

WATER – powerful water jet

The powerful jet in water mode has a very high pressure and thereby an enormous throwing range. The powerful water jet enters the surfaces and gaps of the burning material and soaks it, thereby reducing the temperature extremely efficiently.

HiCAFS – dry adhesive foam

The HiCAFS mode creates a dry adhesive foam by enriching the foam with compressed air. The foam adheres to walls and even ceilings very well. The HiCAFS foam separates the burning material from oxygen and thereby prevents smoke and reignition.

SPRAY – area effect

By turning the swivel gun's head you switch to spray mode. The spray mode covers a larger area, consumes less extinguishing agent and is ideal for preventive soaking and for extinguishing small after fires and glow nests.



Dry Adhesive
HiCAFS Foam



Area Effect
Spray Mode

APPLICATIONS

The compact design and low weight of the MFU Barracuda offer a whole range of applications.



Installation on water tender, as a space-saving CAFS device. The MFU Barracuda doesn't require an external generator.



Installation on an amphibious vehicle for heavy terrain such as forests, mud flats, swamps or coastal areas. Here: construction with 210 litres tank



Installation on a small trailer with a built-in tank. Compatible with a quad or similarly small vehicles.

CONFIGURATIONS

ALL-IN-ONE TRANSPORT FRAME

The MFU can be delivered in combination with a 210-litres water tank on a sturdy universal mounting frame.

- fits almost any vehicle
- quickly moveable with a forklift
- customer sizes upon request

WATER TANKS

- various sizes and shapes
- custom sizes upon request
- optionally with connection kit
- built onto a mounting frame with the MFU or directly onto the vehicle

SWIVEL GUN

Additional spray mode with area effect.

Ideal for

- preventive wetting
- fighting small flames
- preventing smoke
- extinguishing glow nests

COMPRESSED AIR BOTTLES

Bottles made of steel or CFRP.

Optimal size is 6.8 litres/300 bar, valves with standard thread (G 5/8"). Other connectors available upon request.



TECHNICAL SPECIFICATIONS

TECHNICAL SPECS

MFU Barracuda

Hose Length	30 m (optional 60 m)
CAFS Propellant	Air, 300 bar/ 6.8 l
Max. Performance (Pump)	50 l/min at 40 bar
Throwing Range (water)	up to 19 m
Throwing Range (CAFS)	up to 15 m
Max. Suction Height	app. 2 m
Flow Rate (water)	app. 48 l/min
Flow Rate (CAFS)	up to 300 l/min (CAFS foam)
Foam Tank Volume	10 l
Range of Temperature*	-25°C to 60°C
Water-to-Foam Ratio	up to 1:12
Starter	Electrical and Starter Rope
Weight (empty)	app. 110 kg
Engine	4-stroke engine
Starter Battery	12 V (maintenance-free)
Gas Tank Volume	4.1 l
Length/Width/Height	980/565/590 mm

* with frost-proof foam agent

The MFU Barracuda can be combined with different tank sizes.

With a tank volume of 200 litres of water, you can achieve a maximum of 2400 litres of foam (water-to-foam ratio of 1:12).

If you only use the CAFS mode, the compressed air bottles are sufficient for a tank size of 210 litres.

After they are empty you can still use the water mode and foam mode (no CAFS foam).

Fire Types



Class F only with pure water in spray mode!

PORTABLE
Firefighting Systems
9 to 13 litres



INTEGRATED
Modular, Variable
Fire Protection System

MOTORIZED
Water, Foam and
CAFS Units



HiGUARD SERIES
Made for Police