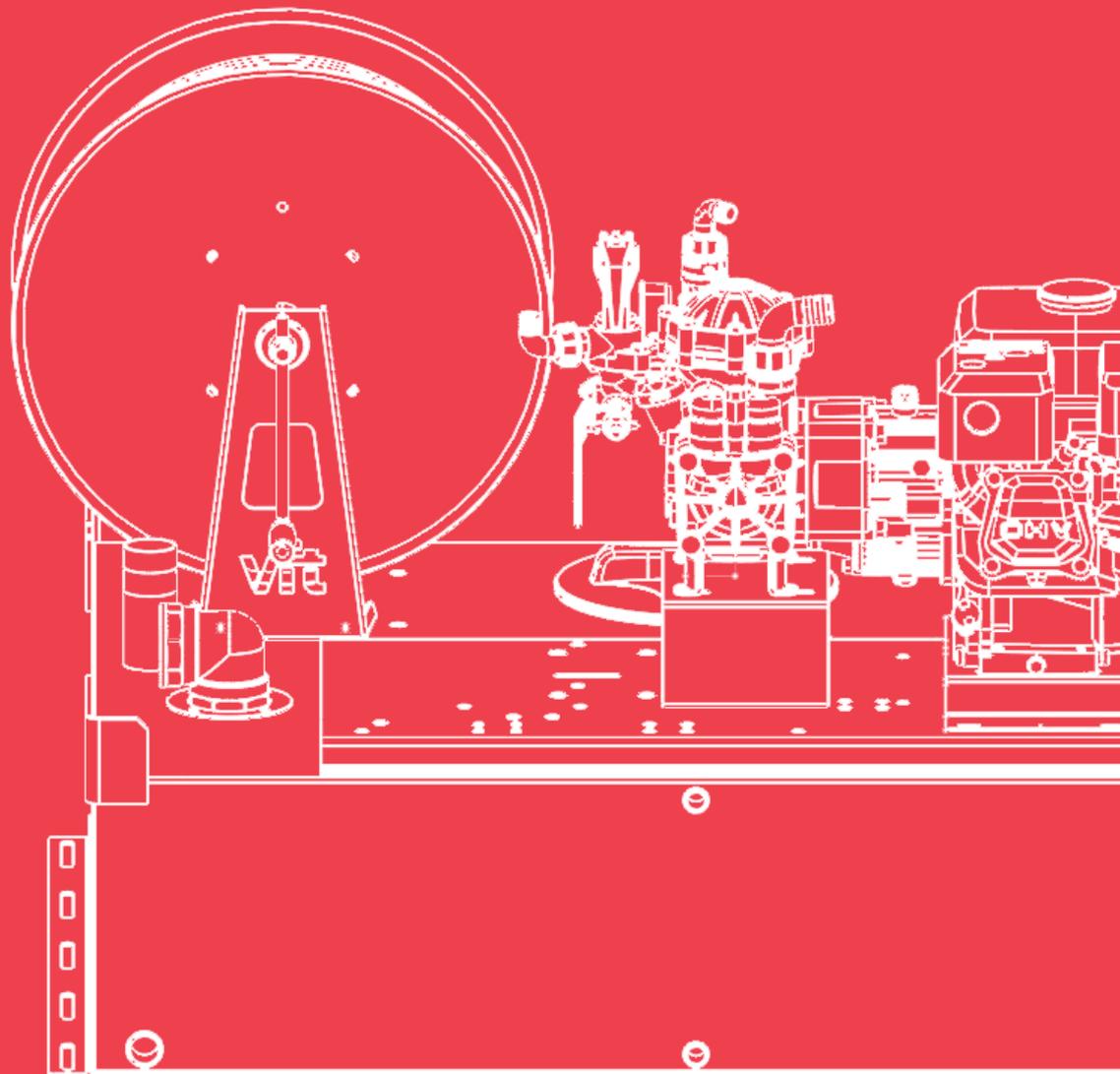


Skid unit with a piston pump

UTV

Ultra high pressure

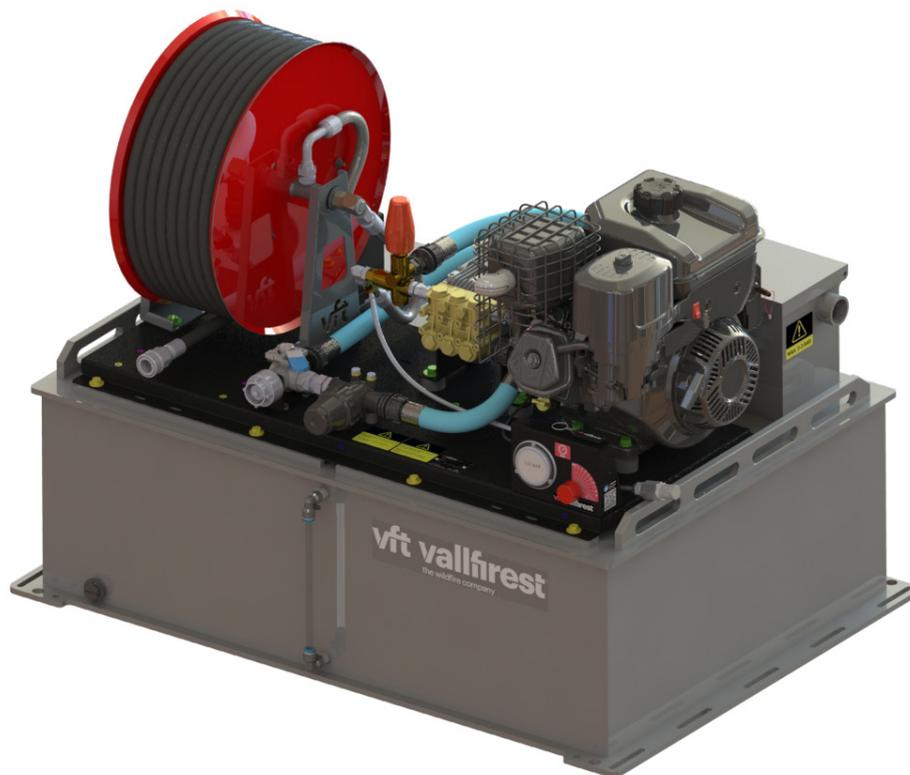


UTV skid unit with a piston pump

High pressure | Up to 100 bar

Rapid intervention skid units designed for light UTV vehicles, equipped with piston pumps up to 100 bar with a maximum flow of up to 24 L/min.

- High-quality components and great replacement part availability
- Resistant tanks made of polyethylene
- The best quality/price ratio
- 2 year warranty



What's included?

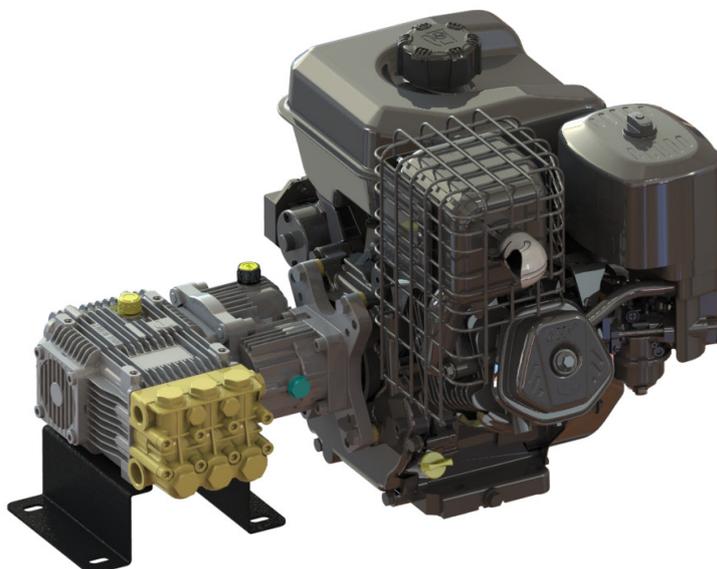
Engine	Gasoline (10 HP)
Piston pump	24 L/min 100 bar
Quick attack winder	Equipped with a high-pressure hose
Water tank	150 280 320 L
Suction hose	5 m long
Foam injection system	2.5 mm injector

Uses

Wildland fires	Less recommended
Container and vehicle fires	Recommended use
Cleaning and unclogging	Recommended use

1 Fire pump unit

4-stroke gasoline combustion engines and 3-piston high-pressure volumetric pumps.



Engines	Power*	Pump	Max. pressure **	Max. flow **
B&S XR10	10 HP	RK 24.10	100 bar	24 L/min

Gasoline engine.

* The nominal engine power indicated in this document is the net power tested on a production engine for the engine model pursuant to SAE J1940 (Briggs & Stratton) pursuant to SAE J1995 at a specific speed. This value may vary in mass produced engines. The actual output power of the engine installed on the end machine will vary depending on a number of factors such as the applicable engine operating speed, the environmental conditions, maintenance and other variables.

** These values are for direct output from the pump.

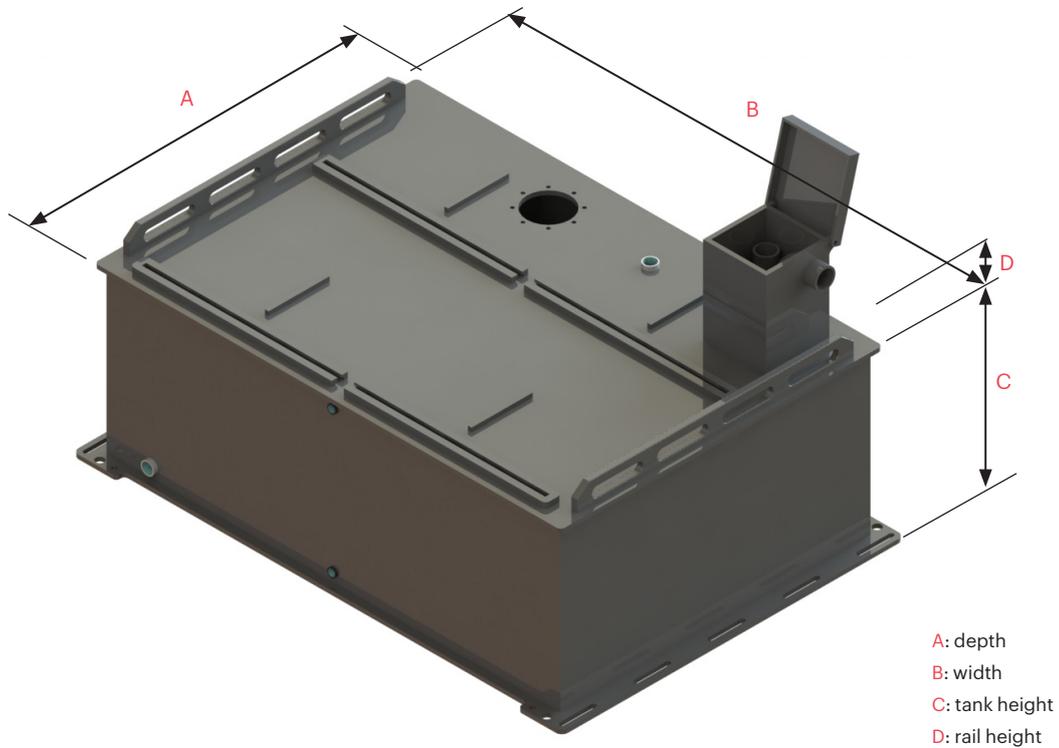
*** The power, pressure and flow rate values are valid for the following operating conditions: a temperature of 25° C at sea level. **IMPORTANT:** The engine loses 3.5% of its power for every 300 meters more in relative working height over sea level. The engine loses 1% of its power for every 5.6° C above 25° C.



2 Water tank

Polyethylene tanks make the entire skid unit lighter. Vallfirest horizontal tanks have an optimized design that provides a low center of gravity under the skid unit for greater vehicle stability. The shape can be adjusted to the dimensions of the loading area to optimize the available space.

- Made of welded polyethylene sheets.
- 2 longitudinal breakwaters to prevent water from moving to the side to ensure vehicle stability.
- 1 1/2" filling spout on the top with couplings (Barcelona, Storz or others) to fill the tank from a hydrant or exterior pressurized water source.
- Overflow tower and 5" ventilation on the top.
- A water level indicator over connecting ducts.
- A 3/4" drain to empty the tank.
- Pump return connection to fill the tank by suctioning water from a non-pressurized external water source.
- The tank connects to the vehicle with lateral securing points and on a tubular structure for lift trucks (optional).
- Natural black color.



A: depth
 B: width
 C: tank height
 D: rail height

Standard colors	Tank dimensions				
	Tank	A [mm]	B [mm]	C [mm]	D [mm]
Black	150 L	840	1200	210	64
	280 L	840	1200	365	64
	320 L	840	1200	415	64

3 Components included

3.1 Control panel

Control panel with a pressure gauge and foam regulator.

TECHNICAL DATA

- Baked on paint coating



3.2 Winder

Made of anti-corrosive material with a manual starting crank and lock system.

TECHNICAL DATA

- Capacity for 50 m long DN12 hose*



3.3 Foam-forming agent proportioner system

Compact and easy-to-use, foam mixing with a proportional manual selector valve. Generates a stable mix of foam-forming agent in the water. Venturi effect "in line eductor" system which mixes water and foam-forming agent in the drive circuit.



3.4 Suction hose

Clear flexible PVC spiral absorption hose with rigid PVC spiral and smooth inner surface. Includes non-return foot valve and filter. Includes a Storz connector for connection to the Vallfirest skid unit.

TECHNICAL DATA

- Length: 5 m
- Hose diameter: DN25 (1")
- Weight: 2.2 kg (DN25)



3.5 Hose

DN12 rigid hose (1/2"). Comprised of an inner layer of synthetic rubber reinforced with 1 metal mesh (R1AT) or 2 meshes (R2AT), depending on the pump model. Features a quick connection system for a multi-purpose water and foam nozzle.



TECHNICAL DATA

- SAE 100 R1AT DN12 (1/2"): 160 bar operating pressure, 0.45 kg/m weight

3.6 Multi-purpose nozzle

High-pressure and high-range multi-purpose nozzle for water and foam. With quick connection system. *

TECHNICAL DATA

- Maximum pressure: 250 bar
- Maximum flow: 45 L/min
- Concentrated stream > 
- Hollow cone/fog stream > 
- Foam stream > 



4 Optional accessories

4.1 Nozzles

Water

High-pressure and high-range nozzle. Adjustable angle. Interchangeable ceramic nozzle tip and quick connection system.

TECHNICAL DATA

- Maximum pressure: 220 bar
- Maximum flow: 45 L/min
- Concentrated stream > —
- Hollow cone/fog stream > ◀



Foam

High-pressure and high-range foam nozzle. Adjustable angle. With quick connection system.

TECHNICAL DATA

- Maximum pressure: 280 bar
- Maximum flow: 45 L/min
- Concentrated stream > —
- Hollow cone/fog stream > ◀



4.2 Winder Handwheel

Ergonomically designed handwheel to facilitate manual operation of the winder, ensuring comfortable and efficient handling.

TECHNICAL DATA

- Compatible with manual winders from Vallfirest standard kits.
- * Not compatible with electric winders.



4.3 Winder guide

Accessory designed to easily guide and control the hose during winder operation, improving precision and reducing effort.

TECHNICAL DATA

- Available for 50m and 100m winders.
- * Not compatible with electric winders.

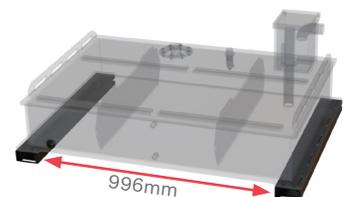


4.4 Hoisting structure

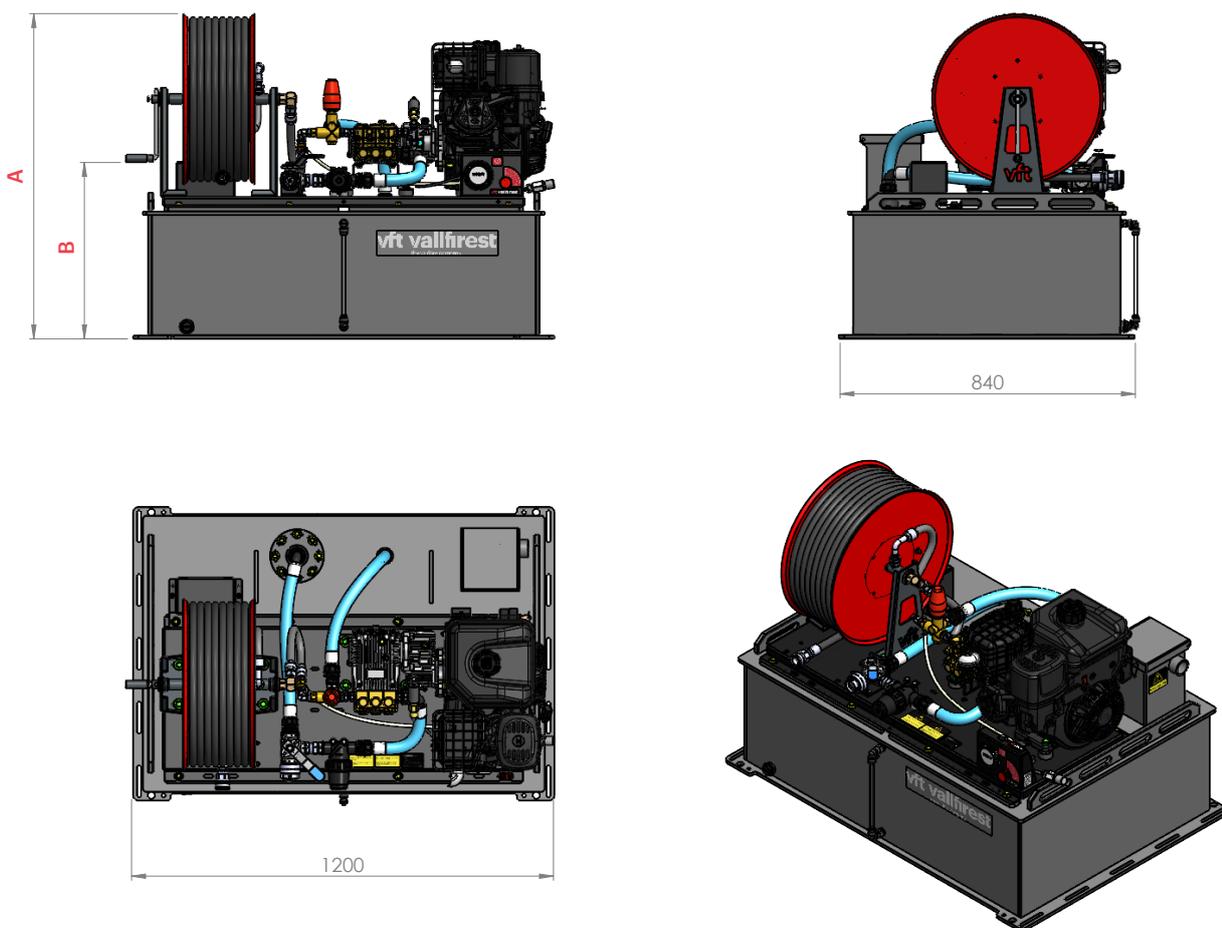
Tubular structure to lift and move the skid unit on a pallet truck or lift truck.

TECHNICAL DATA

- 100 x 50 x 2 mm steel pipe. 838 mm long.
- Long-lasting finish with powder paint coating



5 General dimensions



6 Configurations available

Ref. VFT	Tank	Engine	Battery and electric start	Pump	Winder capacity (DN12)	Max. pressure *	Max. flow *	Approx. dry weight [kg]	A [mm]	B [mm]
DVD0815-G64A0	150 PE	B&S XR10	YES	RK 24.10	50 m	100 bar	24 L/min	132	780	360
DVD0828-G64A0	280 PE	B&S XR10	YES	RK 24.10	50 m	100 bar	24 L/min	140	935	515
DVD0832-G64A0	320 PE	B&S XR10	YES	RK 24.10	50 m	100 bar	24 L/min	141	980	560

PE: welded polyethylene tank.

Gasoline engine.

** These values are for direct output from the pump.

Any questions? Contact us: clientes@vallfrest.com | T. +34 938 678 779