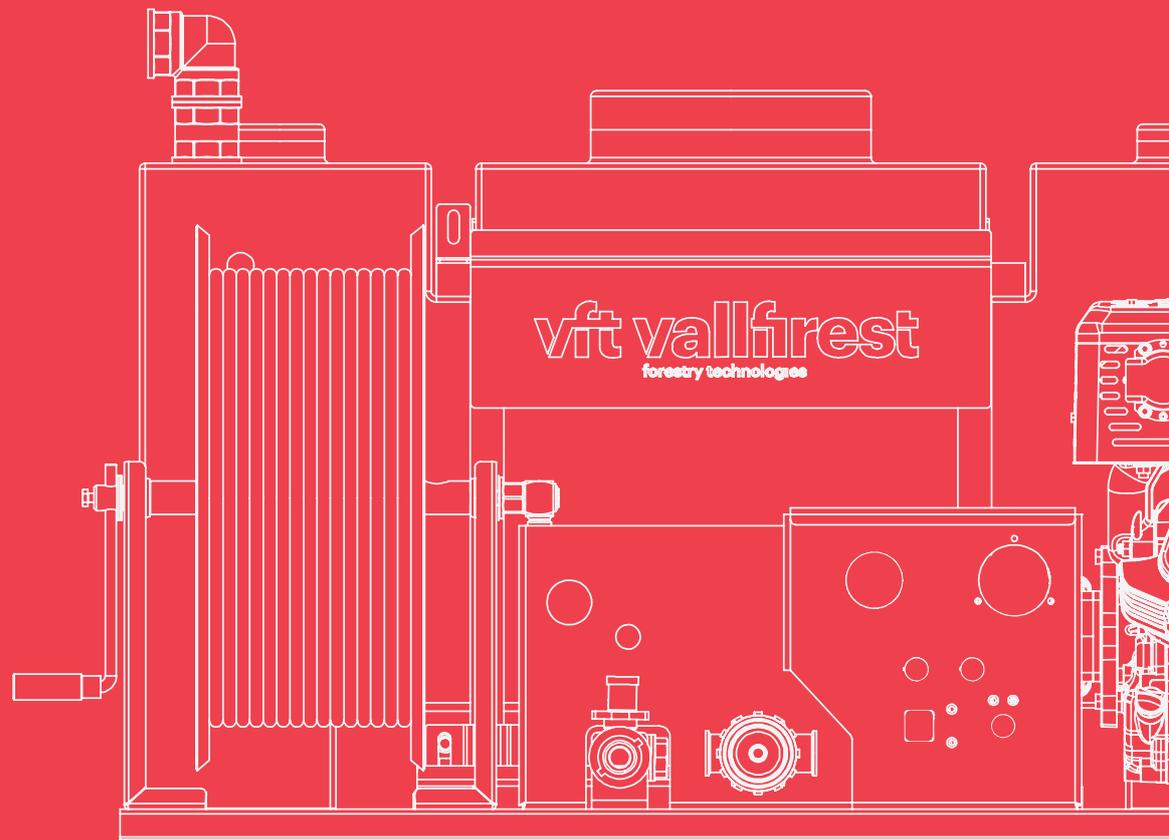


Skid unit with a piston pump

Vertical polyethylene tank
Ultra high pressure



Polyethylene skid unit with a piston pump

High pressure | Up to 200 bar

Rapid intervention skid units designed for pickup vehicles and trailers, equipped with piston pumps up to 200 bar with a maximum flow of up to 42 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?

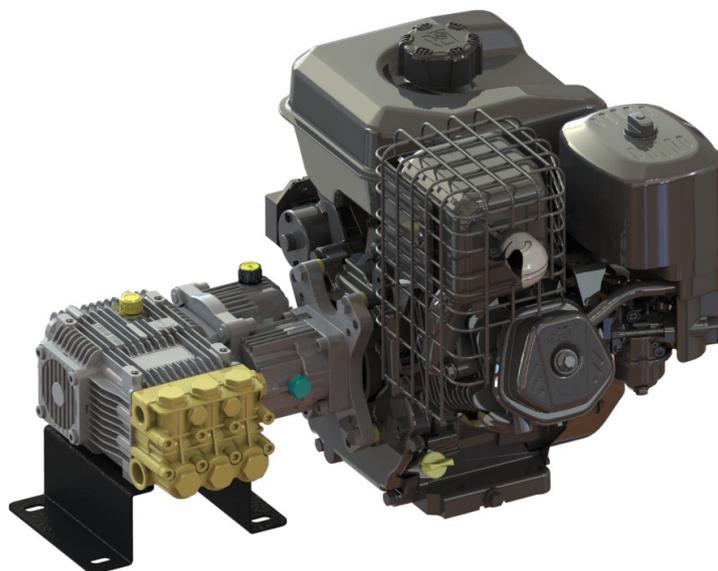
Engine	Gasoline 13.5 HP
Piston pump	From 21 L/min 200 bar to 42 L/min 100 bar
Quick attack winder	Equipped with a high-pressure hose
Water tank	400 500 600 L
Attack nozzle	Multi-purpose water and foam
Suction hose	5 m long
Foam injection system	2.5 mm injector

Uses

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

1 Fire pump unit

Options available. 4-stroke combustion engines powered by gasoline and 3-piston volumetric pumps.



Engine	Power*	Pump	Max. pressure **	Max. flow **
B&S XR 13.5	13.5 HP	XWL 42.10 N	100 bar	42 L/min
B&S XR 13.5	13.5 HP	XW 21.20 N	200 bar	21 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.

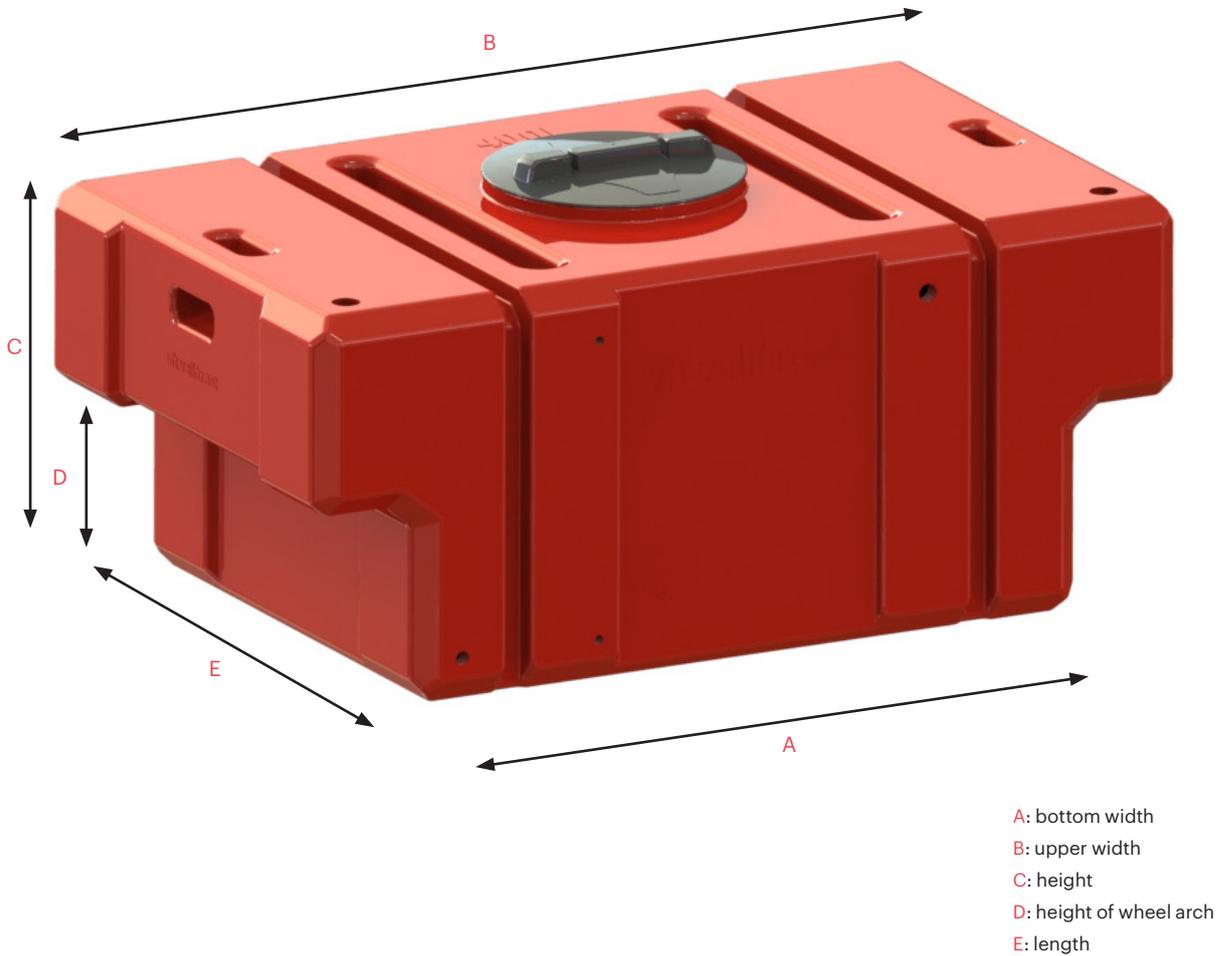
IMPORTANT: The engine loses 3.5% of its power for every 300 meters more in relative working height over sea level. The engine loses 1% of its power for every 5.6° C above 25° C.



2 Water tank

Vallfirest polyethylene tanks make the entire skid unit lighter. Skid units with a polyethylene tank are designed to concentrate the skid unit load in the area closest to the vehicle cabin, avoiding wheel arches on pickup vehicles and optimizing the available space.

- Made of seamless polyethylene via rotational molding for immense robustness and lightness.
- Wall thickness: 8 mm. Guarantees durability and structural integrity by providing the tank with robustness.
- 2 longitudinal breakwaters to prevent the inertia caused by water movement.
- 1 1-1/2" filling spout on the top with couplings (Barcelona, Storz, DSP or others) to fill the tank from a hydrant or exterior pressurized water source.
- 1 configurable 1-1/2" high vent on the top.
- 1 threaded inspection cover with a useful diameter of 390 mm to inspect the tank.
- 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.



Standard color

Red
 Customizable color upon customer request
 (ask about the conditions).

Tank dimensions

Capacity	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
400 L	1000	1300	560	280	790
500 L	1000	1300	660	280	790
600 L	1000	1300	790	280	790

3 Components included

3.1 Control panel

Control panel with LED light switch, pressure gauge emergency stop, hour meter, water drive valve 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

Hose type as per the operating pressure:

- SAE 100 R1AT DN12 (1/2"): 160 bar operating pressure, 0.45 kg/m weight
- SAE 100 R2AT DN12 (1/2"): 275 bar operating pressure, 0.65 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 > ◀

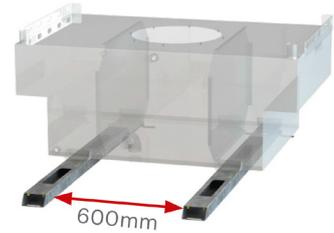


3.7 Hoisting structure

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. 1400 mm long.
- Long-lasting finish with powder paint coating



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 > ◀



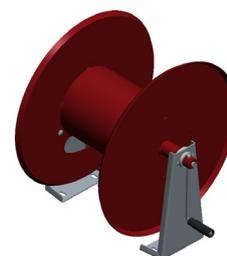
4.2 100 m manual winder

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

TECHNICAL DATA

- Capacity for 100 m long DN12 (1/2") hose

* See point 6. Configurations available



4.3 Electric winder

Made of anti-corrosive material. With an electric rewinder powered by a 12 V engine.

TECHNICAL DATA

- Capacity for 50 m long DN12 (1/2") hose

* See point 6. Configurations available



4.4 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.



4.5 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.



4.6 Tool carrier structure

Different possibilities; fully customizable. The operability of pickup vehicles is increased with tool carrier structures accompanying the skid units: manual tools, drip torches, chainsaws, water packs, combat packs.

TECHNICAL DATA

- Features a tool carrier cabinet with an easy-to-use lock system
- Features an equipment carrier tray with a railing
- Can be used to secure long tools to the top
- Made of S235 steel with a baked on paint coating
- Custom made for each vehicle
- Secured over vehicle
- Approximate total weight: 80 kg

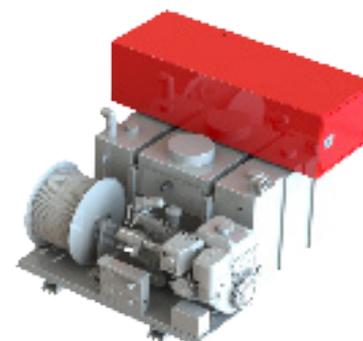


4.7 Tool carrier

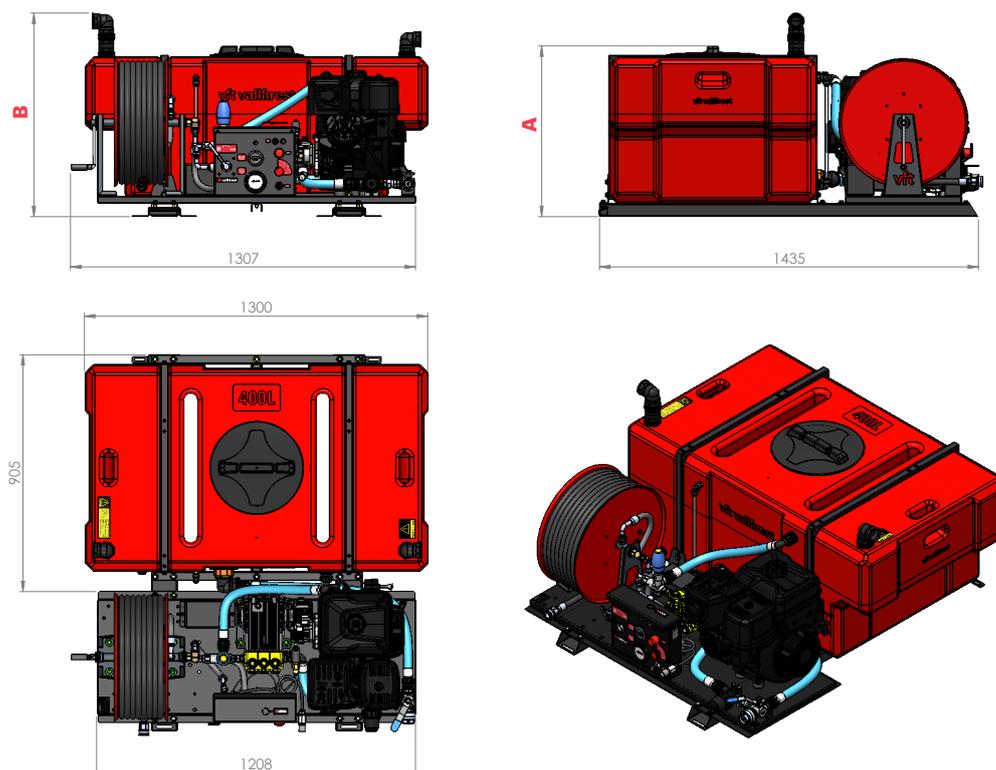
The operability of pickup vehicles equipped with a skid unit is increased, storing: manual tools, drip torches, chainsaws, water packs, etc.

TECHNICAL DATA

- Features a tool carrier cabinet with an easy-to-use secure lock system
- Features an equipment carrier tray with a railing
- Made of 5754 aluminum with a baked on paint coating
- Light, integrated design
- Secured over a skid unit
- Approximate total weight: 30 kg



5 General dimensions



6 Configurations available

Ref. VFT	Tank	Engine	Battery and electric start	Pump	Winder capacity (DN12)	Max. pressure **	Max. flow rate **	Approx. dry weight [kg]	A [mm]	B [mm]
DVD124V-G63AO	400 PE-V	B&S XR 13.5	YES	XWL 42.10 N	50 m	100 bar	42 L/min	182	650	775
DVD124V-G63BO	400 PE-V	B&S XR 13.5	YES	XWL 42.10 N	100 m	100 bar	42 L/min	203	650	775
DVD124V-G63JO	400 PE-V	B&S XR 13.5	YES	XWL 42.10 N	50 m*	100 bar	42 L/min	209	650	775
DVD124V-G67AO	400 PE-V	B&S XR 13.5	YES	XW 21.20 N	50 m	200 bar	21 L/min	196	650	775
DVD124V-G67BO	400 PE-V	B&S XR 13.5	YES	XW 21.20 N	100 m	200 bar	21 L/min	232	650	775
DVD124V-G67JO	400 PE-V	B&S XR 13.5	YES	XW 21.20 N	50 m*	200 bar	21 L/min	222	650	775
DVD125V-G63AO	500 PE-V	B&S XR 13.5	YES	XWL 42.10 N	50 m	100 bar	42 L/min	187	750	875
DVD125V-G63BO	500 PE-V	B&S XR 13.5	YES	XWL 42.10 N	100 m	100 bar	42 L/min	208	750	875
DVD125V-G63JO	500 PE-V	B&S XR 13.5	YES	XWL 42.10 N	50 m*	100 bar	42 L/min	214	750	875
DVD125V-G67AO	500 PE-V	B&S XR 13.5	YES	XW 21.20 N	50 m	200 bar	21 L/min	201	750	875
DVD125V-G67BO	500 PE-V	B&S XR 13.5	YES	XW 21.20 N	100 m	200 bar	21 L/min	237	750	875
DVD125V-G67JO	500 PE-V	B&S XR 13.5	YES	XW 21.20 N	50 m*	200 bar	21 L/min	227	750	875
DVD126V-G63AO	600 PE-V	B&S XR 13.5	YES	XWL 42.10 N	50 m	100 bar	42 L/min	194	880	1005
DVD126V-G63BO	600 PE-V	B&S XR 13.5	YES	XWL 42.10 N	100 m	100 bar	42 L/min	215	880	1005
DVD126V-G63JO	600 PE-V	B&S XR 13.5	YES	XWL 42.10 N	50 m*	100 bar	42 L/min	221	880	1005
DVD126V-G67AO	600 PE-V	B&S XR 13.5	YES	XW 21.20 N	50 m	200 bar	21 L/min	208	880	1005
DVD126V-G67BO	600 PE-V	B&S XR 13.5	YES	XW 21.20 N	100 m	200 bar	21 L/min	244	880	1005
DVD126V-G67JO	600 PE-V	B&S XR 13.5	YES	XW 21.20 N	50 m*	200 bar	21 L/min	234	880	1005

PE-V: polyethylene tank vertical rotational molding.

Gasoline engine.

* Semi-rigid DN25 hose.

** The values indicated are at the pump outlet.

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