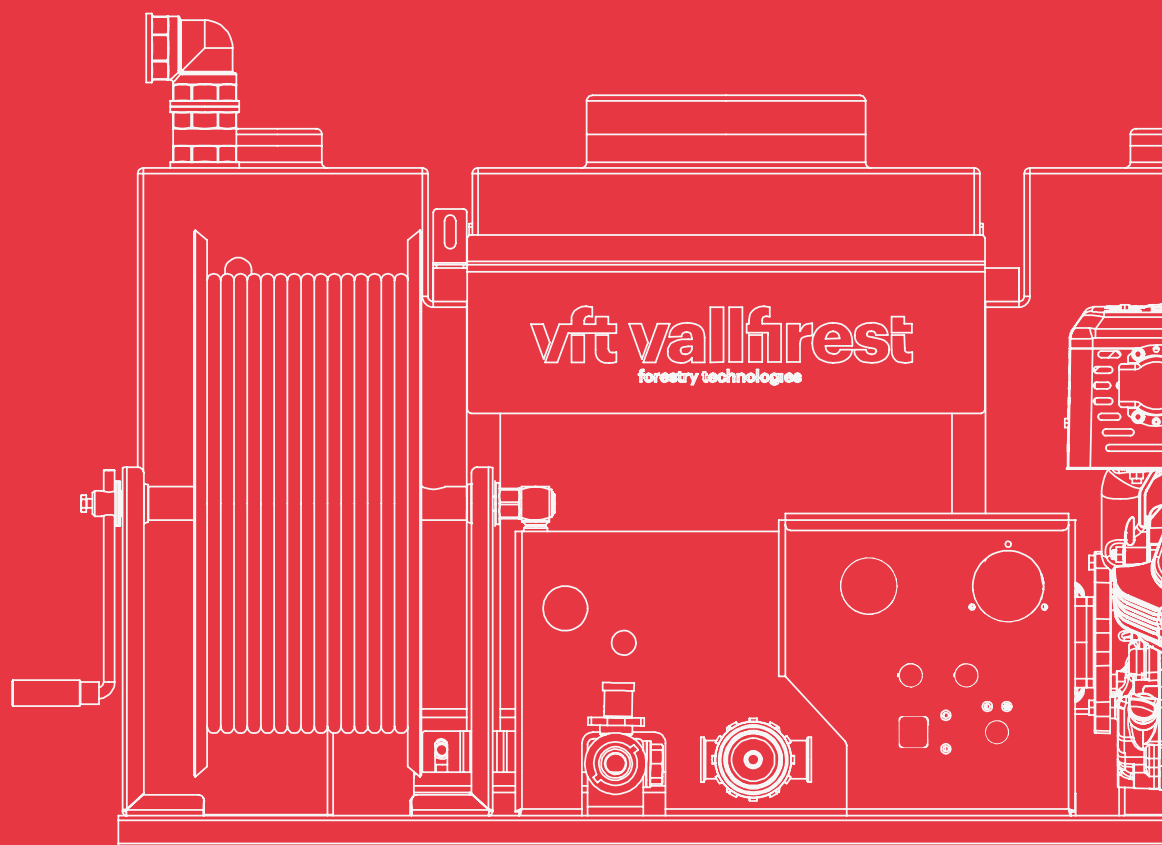


# Skid unit with a centrifugal pump

Vertical polyethylene tank  
Low pressure



# Polyethylene skid unit with a centrifugal pump

Low pressure | Up to 25 bar

Rapid intervention skid units designed for pickup vehicles and trailers, equipped with centrifugal pumps up to 25 bar with a maximum flow of up to 390 L/min.

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



## What is included?

Motor	Gasoline (2.1 - 13.5 HP)
Centrifugal pump	260 L/min.   6.9 bar at 390 L/min.   25 bar
Quick attack winder	Mounted on the main structure
Water tank	400 L
Suction oversleeve	5 m long

## Uses

Wildland fires	Recommended use
Container and vehicle fires	Recommended use
Cleaning and unclogging	Not recommended

# 1 Motor pump unit

Available options. 4-stroke gasoline motors and low-pressure centrifugal pumps.



Motor	Power*	Pump	Max. pressure **	Max. flow**
Honda GXH50	2.1 HP	VFT_1SP4	6.9 bar	260 l/min
B&S XR1450	10 HP	2RD 50/9	12 bar	258 l/min
B&S XR2100	13.5 HP	2RD 50/13	15.5 bar	275 l/min
Honda GX390	11.7 HP	VFT_4SP	25 bar	390 l/min
B&S XR2100	13.5 HP	VFT_4SP	25 bar	390 l/min

☐ Gasoline motor.

\* The nominal engine power indicated in this document is the net power tested on a production engine for the engine model pursuant to SAE J1349 (HONDA) / SAE J1940 (Briggs& Stratton) at a specific speed. This value may vary in mass produced motors. 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 at direct pump outlet.

\*\*\* The power, pressure and flow values are valid in working conditions: temperature 25°C at sea level. **IMPORTANT:** Engine power will decrease 3.5% for every 300 meters above sea level and 1% for each 5.6°C above 25°C.



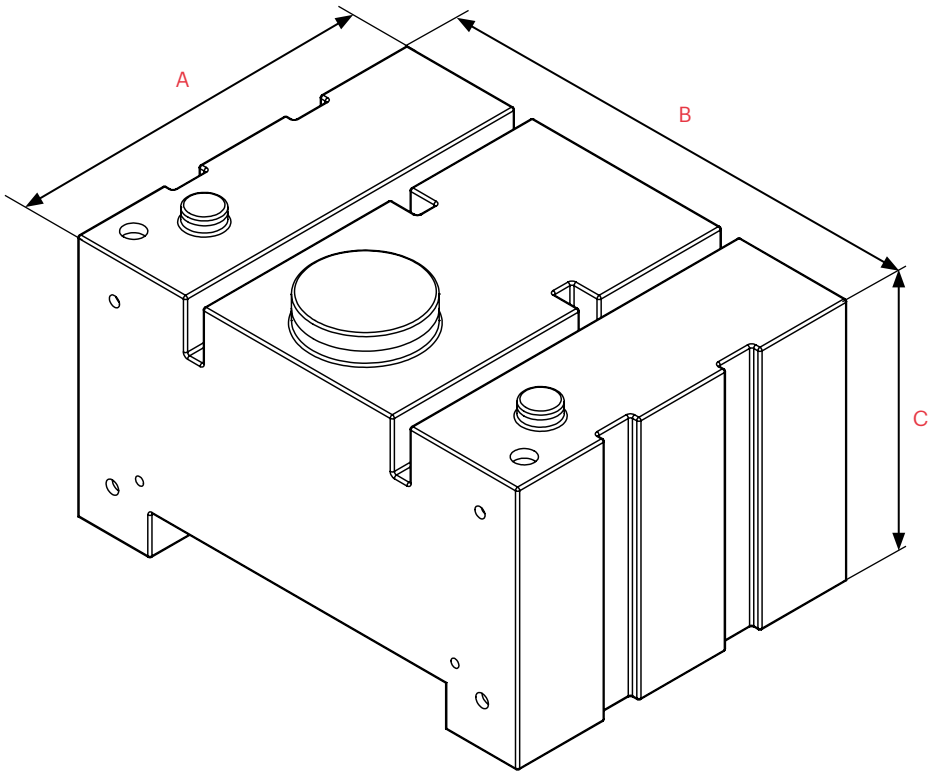
**HONDA**



## 2 Water tank

Polyethylene tanks make the entire skid unit lighter. Vallfirest 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.
- 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 200 mm to inspect the tank.
- A water level indicator over connecting ducts.
- A 1" drain to empty the tank.
- Pump return connection to fill the tank by suctioning water from a non-pressurized external water source.



A: Depth  
B: Width  
C: Height

Standard colors		Tank dimensions		
White   Red		Tank	A [mm]	B [mm]
		400 RV	790	1050
				585

## 3 Components included

### 3.1 Control panel

Control panel with LED light switch, pressure gauge time counter and skid unit emergency stop.\*

#### TECHNICAL DATA

- Baked paint coating.
- \* Skid units without batteries do not have light, nor time counter.
- \* DVD134V-BH1A0 and DVD134H-BH1A0 skid units only have pressure gauge.



### 3.2 Winder

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

#### TECHNICAL DATA

- Capacity for 40 m flat 25 hose\*
- \* Option available: winder with capacity for 20 m semi-rigid DN25 hose (already included in DVD134V-BH1A0 and DVD134H-BH1A0 skid units)



### 3.3 Suction oversleeve

Clear flexible PVC spiral absorption oversleeve 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
- Oversleeve diameter: DN40 (1-1/2") or DN50 (2") depending on the pump
- Weight: 4 kg (DN40) or 5.5 kg (DN50)



### 3.4 Tank lifting structure

Tank frame enabling the tank to be lifted and transported by means of a pallet jack or forklift.

#### DATOS TÉCNICOS

- 100\*50\*2 mm steel tube, 1400 mm long section.
- Durable powdercoated finish.



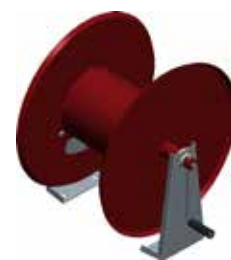
## 4 Optional accessories

### 4.1 100 m Manual winder

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

#### TECHNICAL DATA

- Capacity for 100 m flat 25 hose



### 4.2 Foam-forming agent proportioner system

Compact and easy-to-use, foam mixing with a proportional manual selector valve. Creates a stable mix of foam-forming agent in the water. "Through the pump" system in which the water and foam-forming agent mix circulates through the pump body.

### 4.3 Water nozzle

vft SG540 wildland nozzle with four adjustable flow rates. Compatible with proportioners. Good performance in extreme conditions, easy maintenance, resistant and long-lasting. Additional bleed-cleaning position.

#### TECHNICAL DATA

- Maximum pressure: 30 bar
- Adjustable flow 19/37/90/150 L/min.
- Weight: 1.25 kg
- Coupling: Barcelona / Storz / DSP / NH



### 4.4 Foam nozzle

Viper Foam 1560 low-expansion foam nozzle made of light aluminum. Anodized surface for greater durability. Rotating inlet easily adaptable to any connector.

#### TECHNICAL DATA

- Maximum pressure: 7 bar
- Maximum flow: 133 L/min.
- Coupling: Barcelona / Storz / DSP / NH



### 4.5 Thermoplastic nozzle tip

Highly robust thermoplastic nozzle tip - ideal for wildland use. Turning the nozzle tip shuts off the flow of water or changes the type of stream.

#### TECHNICAL DATA

- Direct close, solid stream and self-protection stream effects
- Fixed teeth
- Fixed flow
- 7 bar maximum pressure
- Reach: 22 m
- Weight: 300 g
- Coupling: Barcelona / Storz / DSP / NH / 1 1/2" BSP fixed thread



## 4.6 Hoses

### DN25 semi-rigid

Three-layer hose for low-pressure systems. Made of high-tenacity circularly woven 100% synthetic thread, completely protected and encapsulated with a mix of PVC and high-resistance synthetic nitrile rubber extruded through the fabric to form a single homogeneous structure without glue or adhesives.



#### TECHNICAL DATA

- Maximum pressure: 20 bar
- Standard length: 20 and 50 m bands
- Nominal diameter: 25 mm

### 3-layer flat

Three-layer hose for use under low pressure in two 20 m bands made of circular woven fabric, 100% high-tenacity thread, completely protected by a layer of synthetic rubber to create a homogeneous structure.



#### TECHNICAL DATA

- 40 bar maximum pressure
- 25 or 45 mm hose section
- Available with Storz, Barcelona, DSP or NH connector

## 4.7 Tool carrier structure

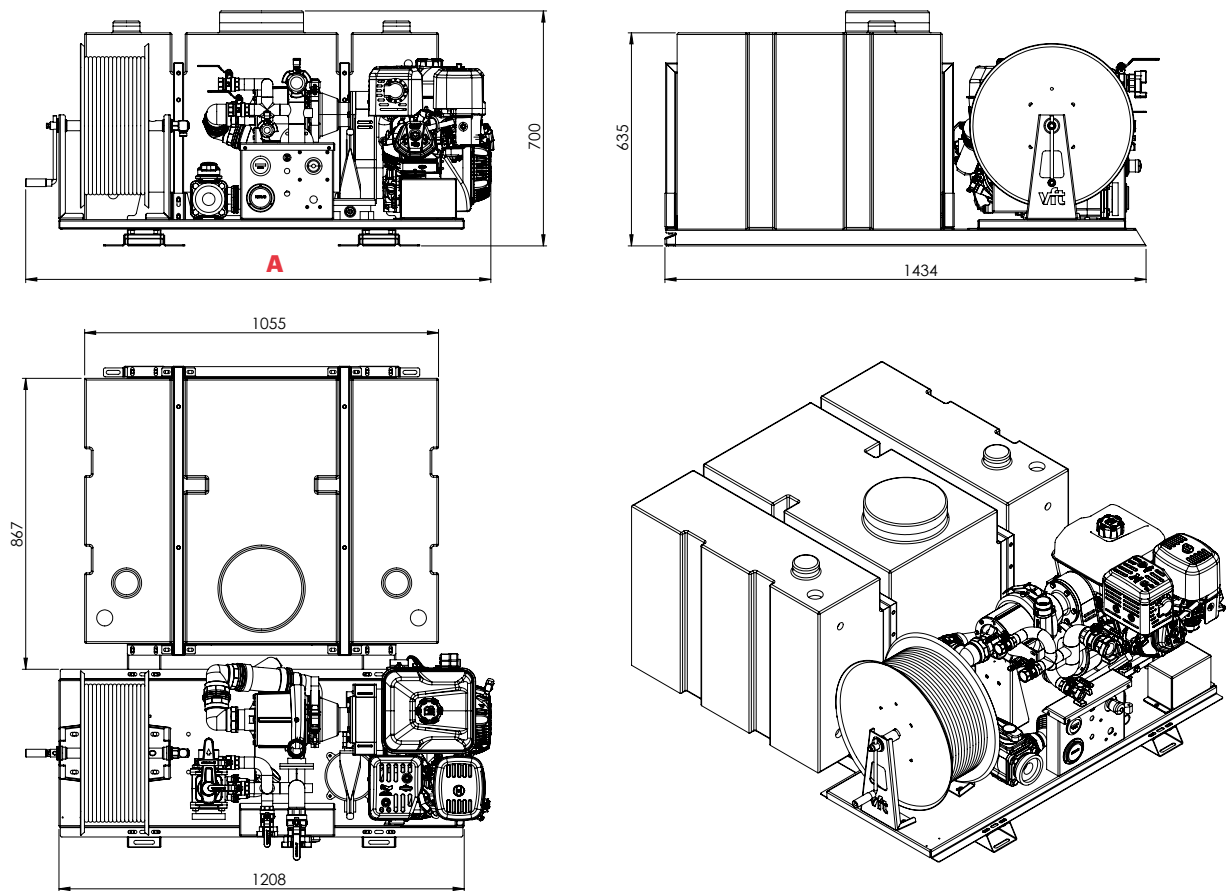
Different possibilities; fully customizable. The operability of pickup vehicles is increased with tool carrier structures accompanying the skid units: manual tools, drip torches, chainsaws, water packs, combat packs.

#### TECHNICAL DATA

- Features a tool carrier cabinet
- Features an equipment carrier tray with a railing
- Custom made for each vehicle
- Approximate total weight: 80 kg



## 5 General dimensions



## 6 Configurations available

Ref. VFT	Tank	Motor	Battery and electric start	* Power	Pump	** Max. Pressure	** Max. Flow	Approx dry weight	A [mm]
DVD134V-BH1AO	400 RV	Honda GXH50	NO	2.1 HP	VFT_1SP4	6.9 bar	260 l/min		1130
DVD134V-GO4AO	400 RV	B&S XR1450	YES	10 HP	2RD 50/9	12 bar	258 l/min		1350
DVD134V-G07AO	400 RV	B&S XR2100	YES	13.5 HP	2RD 50/13	15.5 bar	275 l/min		1350
DVD134V-BH4AO	400 RV	Honda GX390	YES	11.7 HP	VFT_4SP	25 bar	390 l/min		1385
DVD134V-BH4A2	400 RV	B&S XR2100	YES	13.5 HP	VFT_4SP	25 bar	390 l/min		1385

RV: vertical polyethylene tank.

☐ Gasoline motor.

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