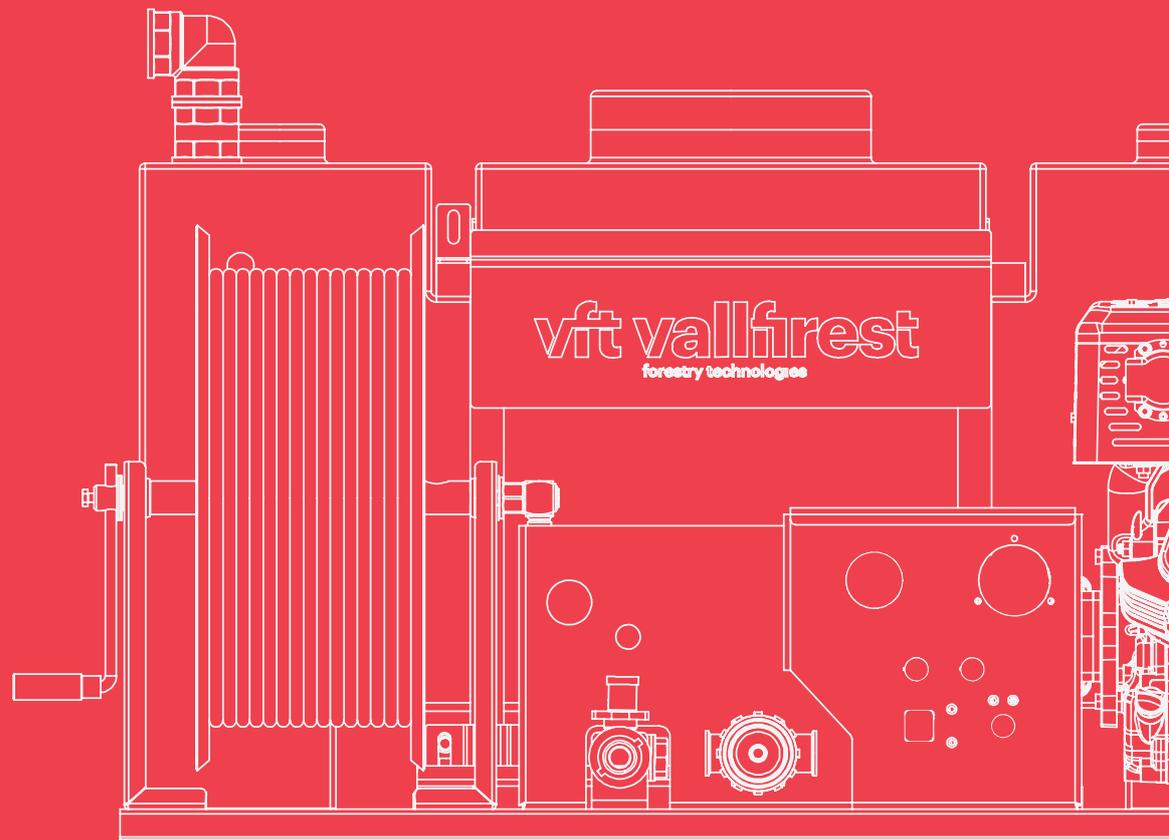


# Skid unit with a membrane pump

Vertical polyethylene tank  
High pressure

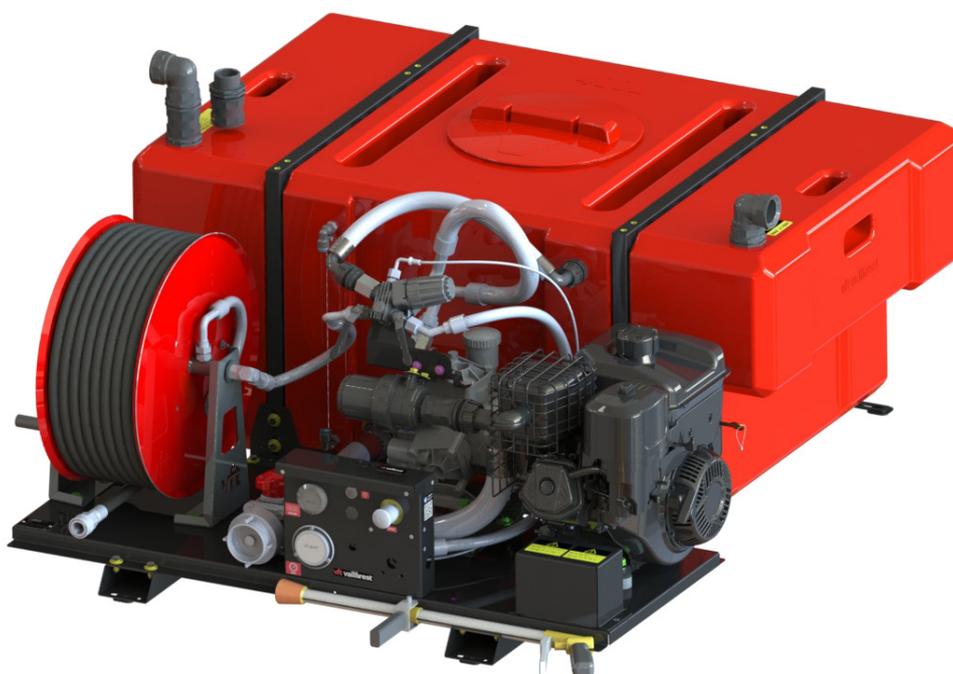


# Polyethylene skid unit with a membrane pump

Medium pressure | Up to 50 bar

Rapid intervention skid units designed for pickup vehicles and trailers, equipped with membrane pumps up to 50 bar with a maximum flow of up to 80 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?

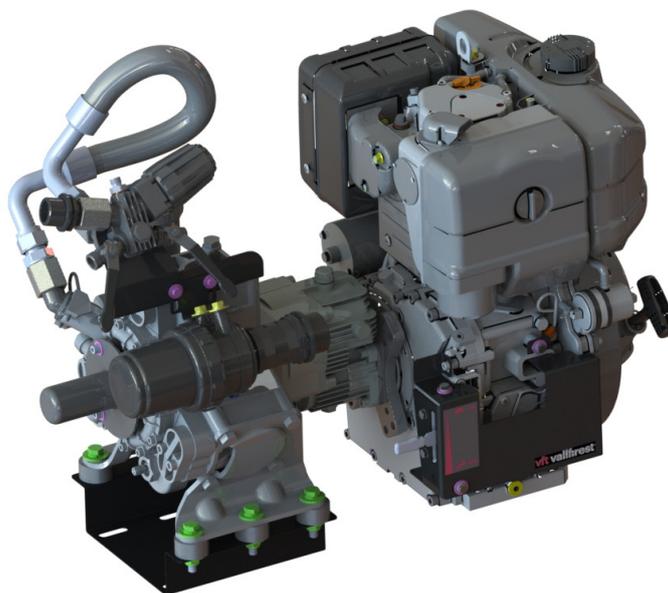
Engine	Gasoline(6.5 - 13.5 HP)   Diesel (11 HP)
Membrane pump	From 36 L/min   40 bar to 80 L/min   50 bar
Quick attack winder	Equipped with a high-pressure hose
Water tank	400   500   600 L
Attack nozzle	Water
Suction hose	5 m long

## Uses

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

# 1 Fire pump unit

Options available. 4-stroke gasoline or diesel combustion motors and membrane pumps.



Engines	Power	Pump	Max. pressure *	Max. flow *
B&S XR 6.5	6.5 HP	AR30	40 bar	36 L/min
Honda GX160	4.8 HP	AR30	40 bar	36 L/min
B&S XR10	10 HP	AR503	40 bar	54 L/min
B&S XR 13.5	13.5 HP	AR813	50 bar	80 L/min
Lombardini 15LD440	11 HP	AR813	50 bar	80 L/min

Gasoline engine.  Diesel 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 J1349 (Honda) / SAE J1940 (Briggs & Stratton) / ISO 1585 (Lombardini) 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.

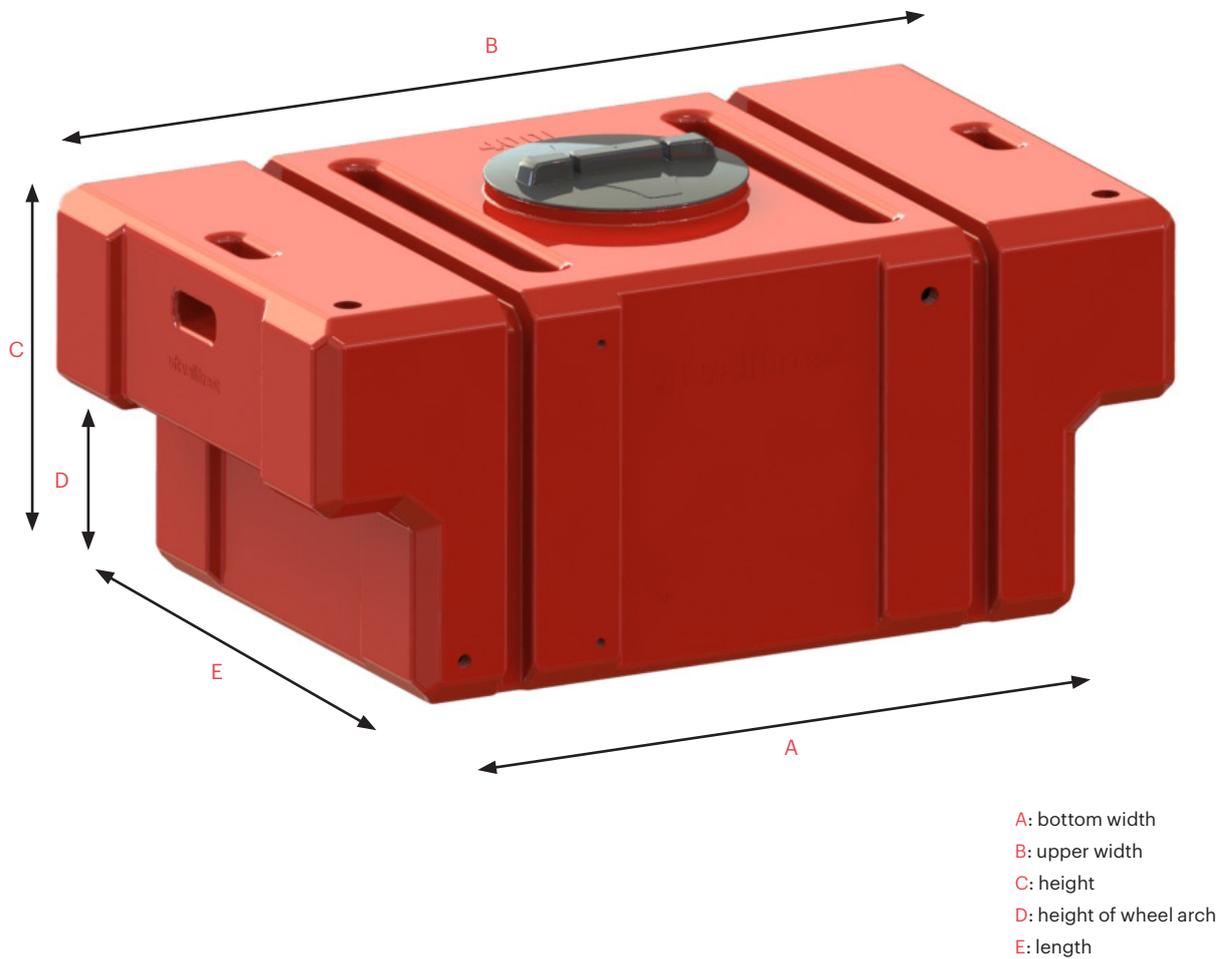
\*\*\* The power, pressure and flow rate values are valid for the following operating conditions: a temperature of 25° C at sea level. **IMPORTANT:** The engine loses 3.5% of its power for every 300 meters more in relative working height over sea level. The engine loses 1% of its power for every 5.6°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

#### TECHNICAL DATA

- Baked on paint coating
- \* Battery-free skid units have no light, no hour meter.



### 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 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") or DN40 (1-1/2") depending on the pump
- Weight: 2.2 kg (DN25) or 4 kg (DN40)



### 3.4 Hose

DN12 (1/2") 50 meter semi-rigid hose. Comprised of an inner layer of synthetic rubber reinforced with a metal mesh and coated in abrasion-resistant synthetic rubber. Features a quick water and foam nozzle connection system.

#### TECHNICAL DATA

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



### 3.5 Water nozzle

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

#### TECHNICAL DATA

- Maximum pressure: 60 bar
- Maximum flow: 110 L/min
- Concentrated stream > —
- Hollow cone/fog stream > ◀

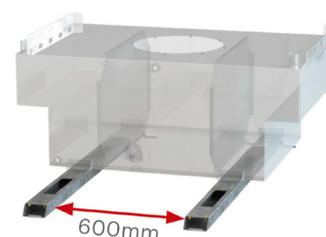


### 3.6 Hoisting structure

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 Foam nozzle

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

#### TECHNICAL DATA

- Maximum pressure: 280 bar
- Maximum flow: 50 L/min
- Concentrated stream > —
- Hollow cone/fog stream > ◀



### 4.2 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.



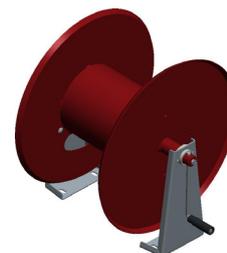
### 4.3 100 m manual winder\*

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



### 4.4 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



### 4.5 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.



## 4.6 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.
- \* No tcompatible with electric winders.



## 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 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

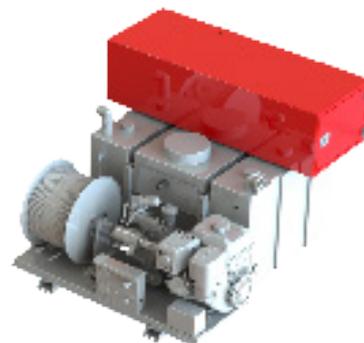


## 4.8 Tool carrier

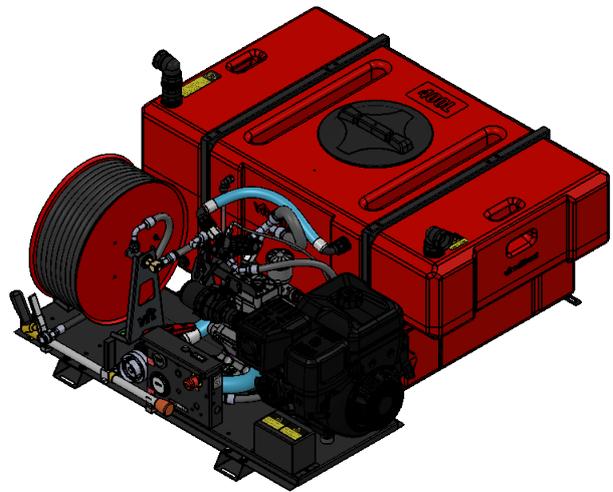
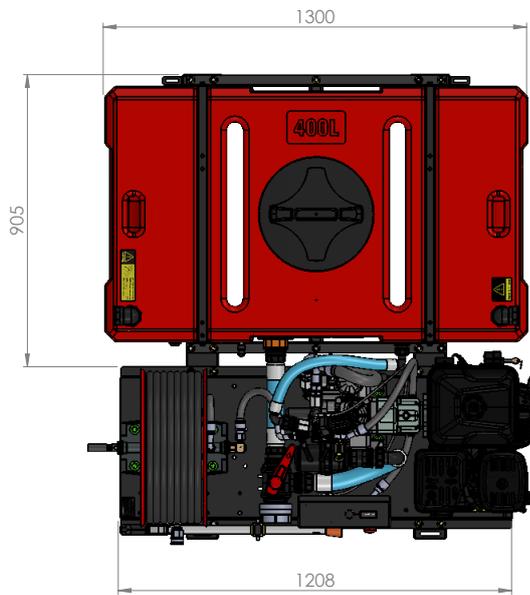
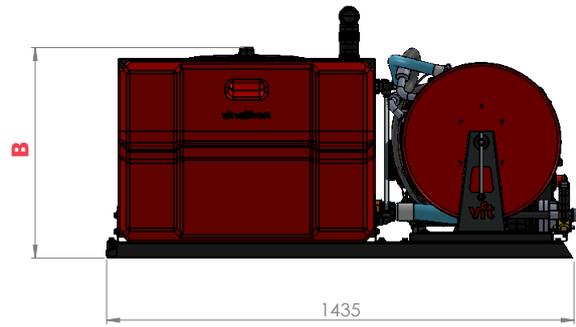
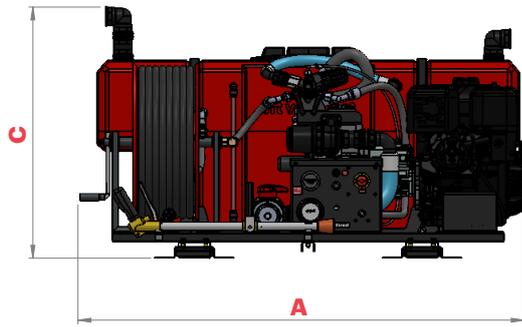
The operability of pickup vehicles equipped with a skid unit is increased, storing: manual tools, drip torches, chainsaws, water packs, etc.

### 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 **	Approx. dry weight [kg]	A [mm]	B [mm]	C [mm]
DVD124V-G30AO	400 PE-V	B&S XR 6.5	NO	AR30	50 m	40 bar	36 L/min	139	1145	650	775
DVD124V-G31AO	400 PE-V	Honda GX160	NO	AR30	50 m	40 bar	36 L/min	140	1145	650	775
DVD124V-G34AO	400 PE-V	B&S XR10	YES	AR503	50 m	40 bar	54 L/min	173	1370	650	775
DVD124V-G34BO	400 PE-V	B&S XR10	YES	AR503	100 m	40 bar	54 L/min	192	1370	650	775
DVD124V-G34JO	400 PE-V	B&S XR10	YES	AR503	50 m*	40 bar	54 L/min	198	1370	650	775
DVD124V-G37AO	400 PE-V	B&S XR 13.5	YES	AR813	50 m	50 bar	80 L/min	188	1370	650	775
DVD124V-G37BO	400 PE-V	B&S XR 13.5	YES	AR813	100 m	50 bar	80 L/min	207	1370	650	775
DVD124V-G37JO	400 PE-V	B&S XR 13.5	YES	AR813	50 m*	50 bar	80 L/min	214	1370	650	775
DVD124V-D32AO	400 PE-V	Lombardini 15LD440	YES	AR813	50 m	50 bar	80 L/min	202	1370	650	775
DVD125V-G30AO	500 PE-V	B&S XR 6.5	NO	AR30	50 m	40 bar	36 L/min	144	1145	750	875
DVD125V-G31AO	500 PE-V	Honda GX160	NO	AR30	50 m	40 bar	36 L/min	145	1145	750	875
DVD125V-G34AO	500 PE-V	B&S XR10	YES	AR503	50 m	40 bar	54 L/min	178	1370	750	875
DVD125V-G34BO	500 PE-V	B&S XR10	YES	AR503	100 m	40 bar	54 L/min	197	1370	750	875
DVD125V-G34JO	500 PE-V	B&S XR10	YES	AR503	50 m*	40 bar	54 L/min	203	1370	750	875
DVD125V-G37AO	500 PE-V	B&S XR 13.5	YES	AR813	50 m	50 bar	80 L/min	193	1370	750	875
DVD125V-G37BO	500 PE-V	B&S XR 13.5	YES	AR813	100 m	50 bar	80 L/min	212	1370	750	875
DVD125V-G37JO	500 PE-V	B&S XR 13.5	YES	AR813	50 m*	50 bar	80 L/min	219	1370	750	875
DVD125V-D32AO	500 PE-V	Lombardini 15LD440	YES	AR813	50 m	50 bar	80 L/min	207	1370	750	875
DVD126V-G30AO	600 PE-V	B&S XR 6.5	NO	AR30	50 m	40 bar	36 L/min	151	1145	880	1005
DVD126V-G31AO	600 PE-V	Honda GX160	NO	AR30	50 m	40 bar	36 L/min	152	1145	880	1005
DVD126V-G34AO	600 PE-V	B&S XR10	YES	AR503	50 m	40 bar	54 L/min	185	1370	880	1005
DVD126V-G34BO	600 PE-V	B&S XR10	YES	AR503	100 m	40 bar	54 L/min	204	1370	880	1005
DVD126V-G34JO	600 PE-V	B&S XR10	YES	AR503	50 m*	40 bar	54 L/min	210	1370	880	1005
DVD126V-G37AO	600 PE-V	B&S XR 13.5	YES	AR813	50 m	50 bar	80 L/min	200	1370	880	1005
DVD126V-G37BO	600 PE-V	B&S XR 13.5	YES	AR813	100 m	50 bar	80 L/min	219	1370	880	1005
DVD126V-G37JO	600 PE-V	B&S XR 13.5	YES	AR813	50 m*	50 bar	80 L/min	226	1370	880	1005
DVD126V-D32AO	600 PE-V	Lombardini 15LD440	YES	AR813	50 m	50 bar	80 L/min	214	1370	880	1005

PE-V: polyethylene tank vertical rotational molding.

Gasoline engine.  Diesel engine.

\* Electric-powered winder.

\*\* The values indicated are at the pump outlet.

Any questions? Contact us: [clientes@vallfirest.com](mailto:clientes@vallfirest.com) | T. +34 938 678 779