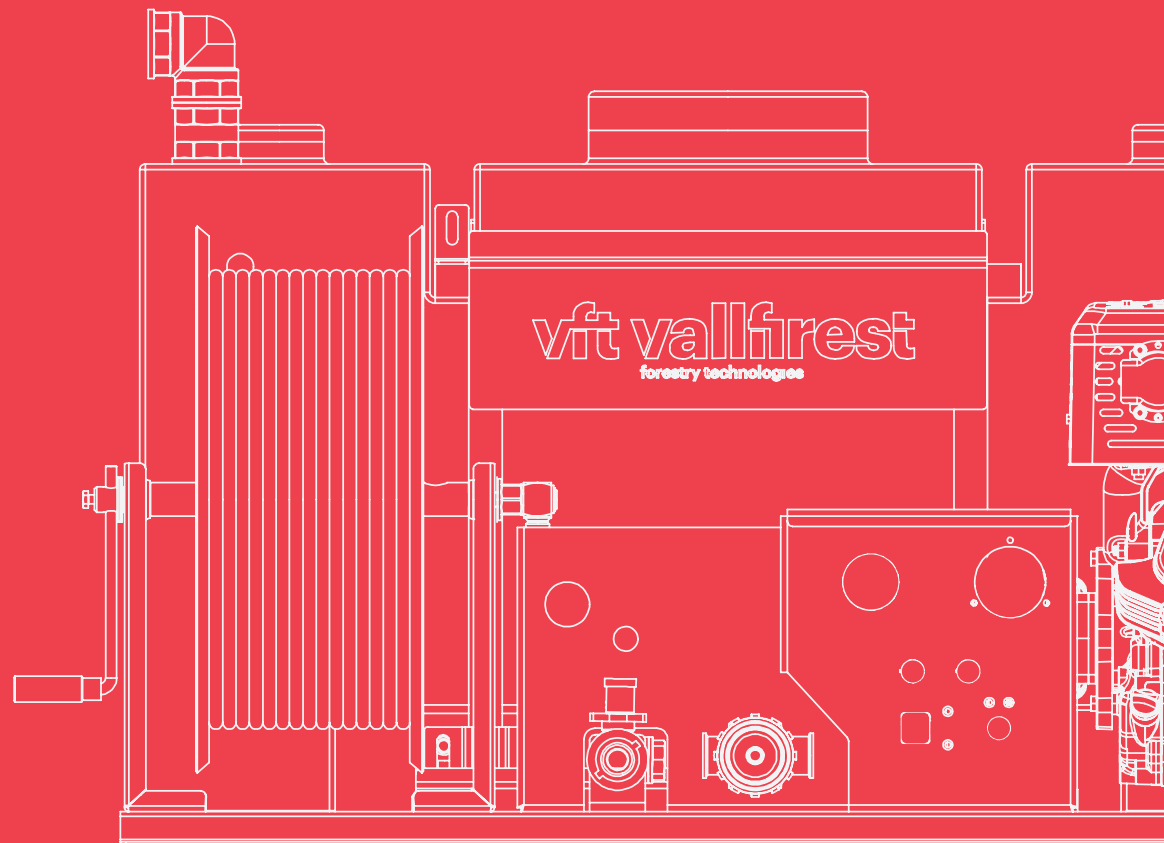


# Skid unit with a centrifugal pump

Vertical polyethylene tank  
Medium pressure

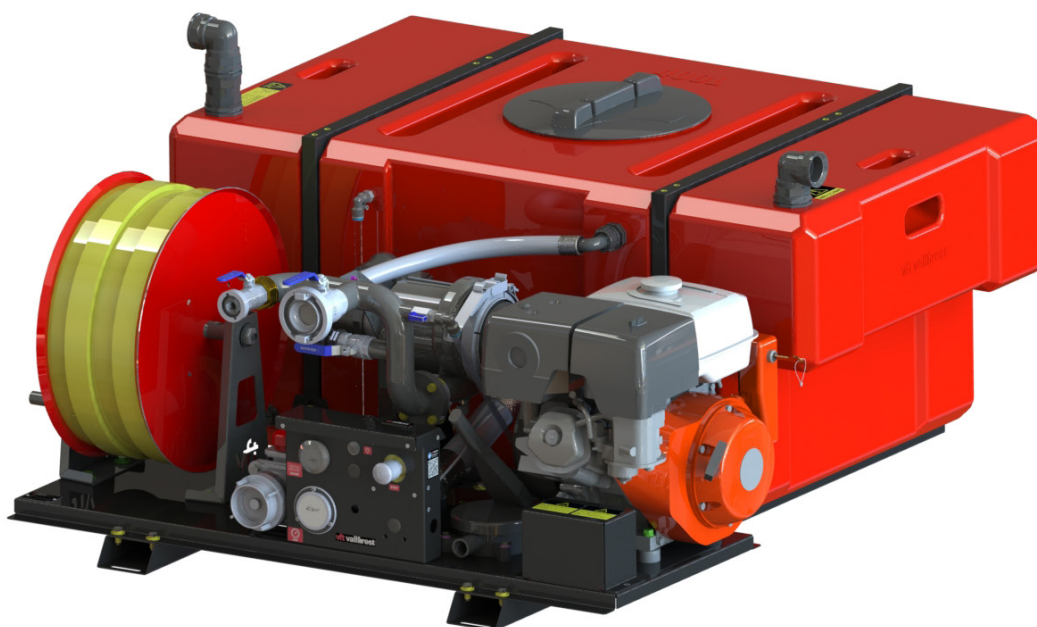


# Polyethylene skid unit with a centrifugal pump

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's included?

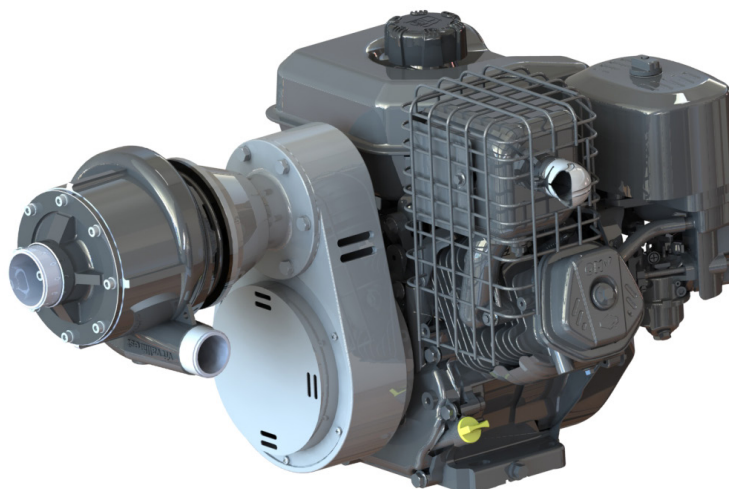
Engine	Gasoline (2.1 - 13.5 HP)
Centrifugal pump	From 260 L/min   6.9 bar to 390 L/min   25 bar
Quick attack winder	Mounted on the main structure
Water tank	400   500   600 L
Suction hose	5 m long

## Uses

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

# 1 Fire pump unit

Options available. 4-stroke gasoline combustion engines and centrifugal pumps.



Engine	Power *	Pump	Max. pressure **	Max. flow **
Honda GXH50	2.1 HP	VFT_1SP4	6.9 bar	260 L/min
B&S XR10	10 HP	VFT_3SP	16 bar	270 L/min
Honda GX390	11.7 HP	VFT_4SP	25 bar	390 L/min
B&S XR 13.5	13.5 HP	VFT_4SP	25 bar	390 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 J1349 (HONDA) / 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.



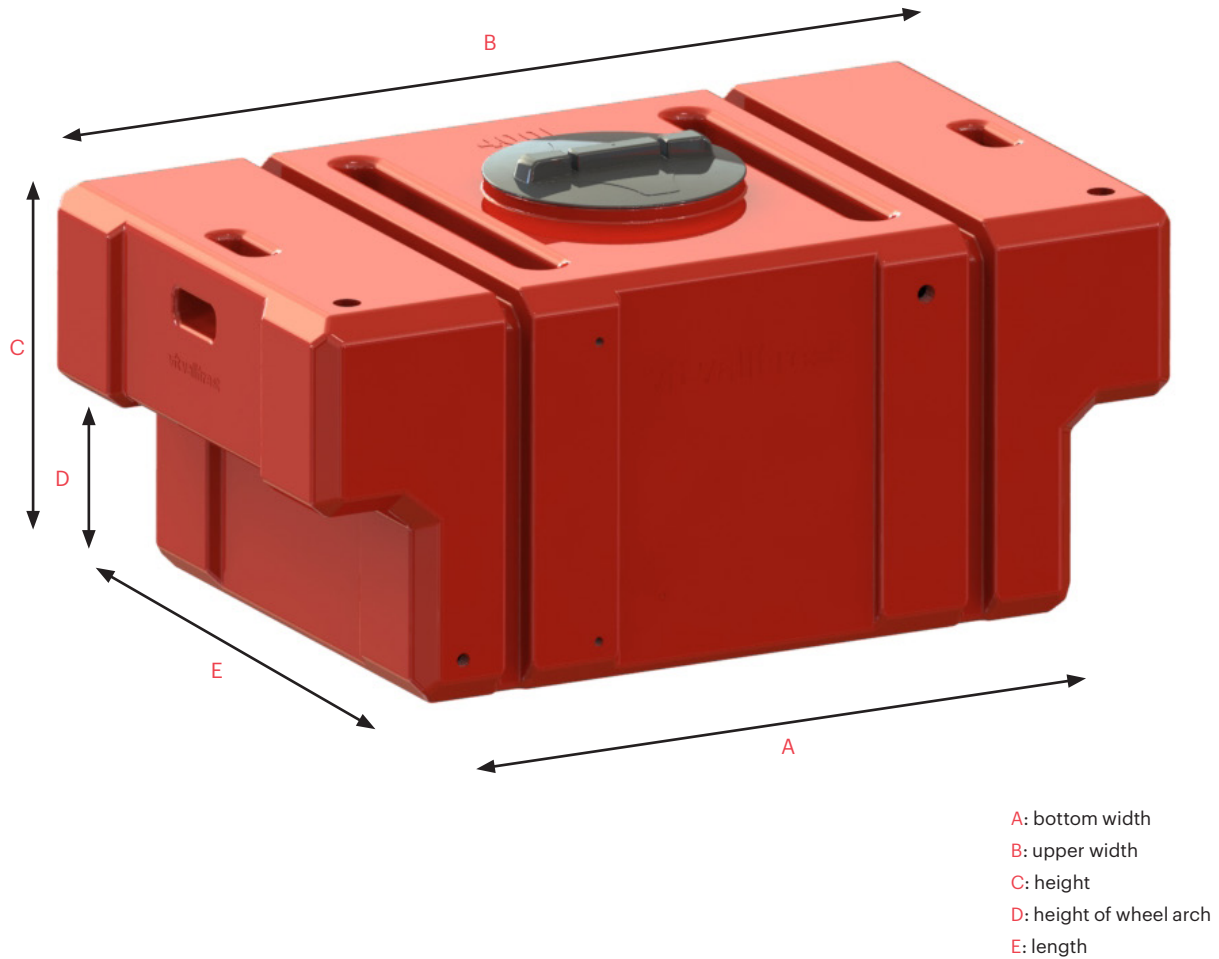
**HONDA**



## 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]
<b>400 L</b>	1000	1300	560	280	790
<b>500 L</b>	1000	1300	660	280	790
<b>600 L</b>	1000	1300	790	280	790

## 3 Components included

### 3.1 Control panel

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

#### TECHNICAL DATA

- Baked on paint coating
- \* The kits referenced as DVD124V-BH1A0, DVD125V-BH1A0 and DVD126V-BH1A0 come with just a pressure gauge.

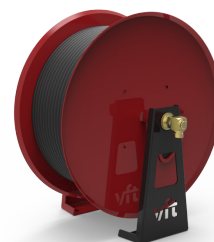


### 3.2 Winder

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

#### TECHNICAL DATA

- Capacity for a 40 m flat 25 mm hose\*
- \* The kits referenced as DVD124V-BH1A0, DVD125V-BH1A0 and DVD126V-BH1A0 come with 20 m of semi-rigid DN25 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: DN40 (1-1/2") or DN50 (2") depending on the pump
- Weight: 4 kg (DN40) or 5.5 kg (DN50)

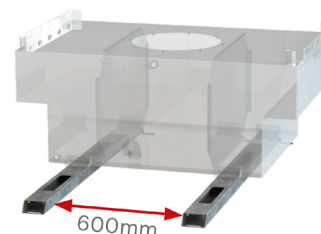


### 3.4 Hoisting structure

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



## 4 Optional accessories

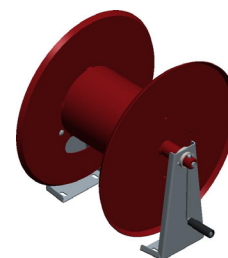
### 4.1 100 m manual winder

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

**TECHNICAL DATA**

- Capacity for a 80 m long flat 25 hose

\* See point 6. Configurations available



### 4.2 Manual winder with 20 m of 1" semi-rigid hose

Made of anti-corrosive material with a manual starting crank and lock system. Includes 20 m of 1" semi-rigid hose.

**TECHNICAL DATA**

- 1" AlfLEX Booster semi-rigid hose (40bar).
- Storz / Barcelona / NH coupling.

\* See point 5. Configurations available



### 4.3 Manual winder with 40 m of 1" semi-rigid hose

Made of anti-corrosive material with a manual starting crank and lock system. Includes 40 m of 1" semi-rigid hose.

**TECHNICAL DATA**

- 1" AlfLEX Booster semi-rigid hose (40bar).
- Storz / Barcelona / NH coupling.

\* See point 5. 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 Foam Proportioning System

Compact and easy to use, with a manual proportional selector valve. The “through the pump” system generates a stable mixture of foam agent in water through suction, ensuring a consistent foam solution.



## 4.6 “Scotty” Foam Proportioning System

Compact and easy to use, with a manual proportional selector valve. With the “around the pump” system, foam is generated by pump impulsion through a Venturi effect and injected directly into the suction, ensuring a stable foam solution.



## 4.7 Water nozzles

### SG540 vft wildland nozzle

Four flow rates to choose from. Compatible with proportioners. Good performance in extreme conditions, easy maintenance, resistant and long-lasting. Additional bleed-cleaning position.

#### TECHNICAL DATA

- Nominal pressure: 16 bar
- Adjustable flow 19/37/90/150 L/min
- Weight: 1.25 kg
- Coupling: Barcelona / Storz / NH

### VA540 Forest wildland nozzle

Four flow rates to choose from. Compatible with proportioners. Good performance in extreme conditions, easy maintenance, resistant and long-lasting. Additional bleed-cleaning position.

#### TECHNICAL DATA

- Nominal pressure: 40 bar
- Adjustable flow 25/50/75/150 L/min
- Weight: 1.4 kg
- Coupling: Barcelona / Storz / NH



## 4.8 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

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



## 4.9 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 / NH / 1 1/2" BSP fixed thread



## 4.10 Hoses

### DN25 semi-rigid

Alflex Booster semi-rigid textile hose for low-pressure systems. Manufactured with high-tenacity polyester, with a rigid weft of helicoidal polyester monofilament reinforcement and an extruded EPDM inner lining.

### TECHNICAL DATA

- Maximum pressure: 40 bar
- Standard length: 20 or 40 m
- Nominal diameter: 25 mm (1")



### 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 o NH connector



## 4.11 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

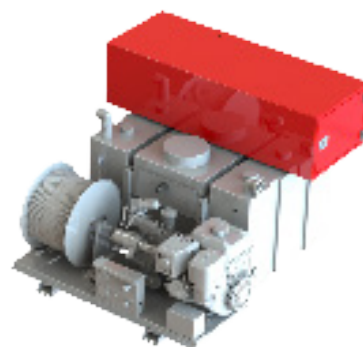


## 4.12 Tool carrier

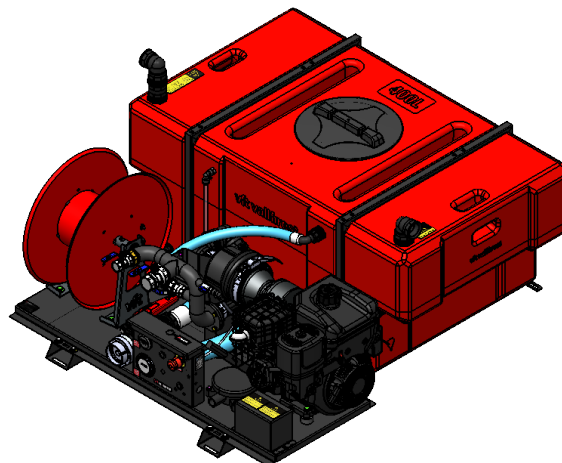
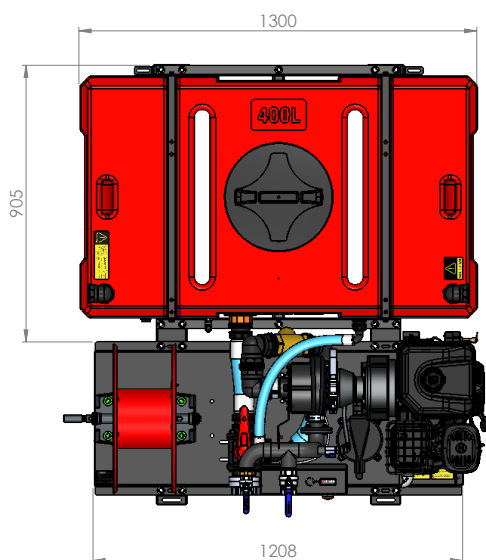
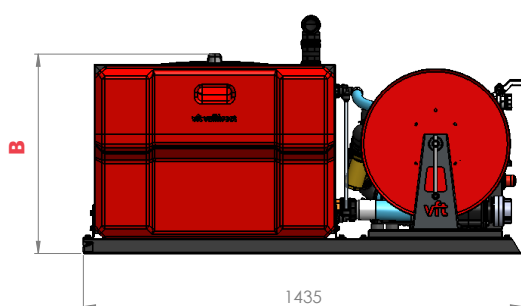
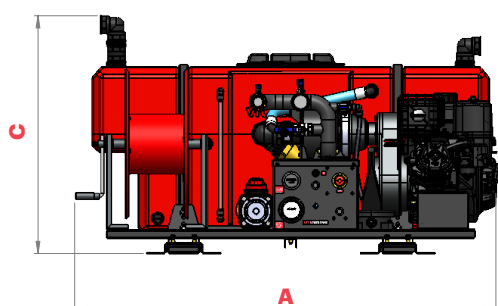
The operability of pickup vehicles equipped with a skid unit is increased, storing: manual tools, drip torches, chainsaws, water packs, etc.

### 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 (flat hose)	Max. pressure **	Max. flow **	Approx. dry weight [kg]	A [mm]	B [mm]	C [mm]
DVD124V-BH1A0	400 PE-V	Honda GXH50	NO	VFT_1SP4	20 m *	6,9 bar	260 l/min	122	1130	650	775
DVD124V-BH3A1	400 PE-V	B&S XR10	SI	VFT_3SP	40 m	16 bar	270 l/min	163	1380	650	775
DVD124V-BH3B1	400 PE-V	B&S XR10	SI	VFT_3SP	80 m	16 bar	270 l/min	165	1380	650	775
DVD124V-BH3C1	400 PE-V	B&S XR10	SI	VFT_3SP	20 m*	16 bar	270 l/min	167	1380	650	775
DVD124V-BH3D1	400 PE-V	B&S XR10	SI	VFT_3SP	40 m*	16 bar	270 l/min	169	1380	650	775
DVD124V-BH4A0	400 PE-V	Honda GX390	SI	VFT_4SP	40 m	25 bar	390 l/min	174	1380	650	775
DVD124V-BH4B0	400 PE-V	Honda GX390	SI	VFT_4SP	80 m	25 bar	390 l/min	176	1380	650	775
DVD124V-BH4C0	400 PE-V	Honda GX390	SI	VFT_4SP	20 m*	25 bar	390 l/min	178	1380	650	775
DVD124V-BH4D0	400 PE-V	Honda GX390	SI	VFT_4SP	40 m*	25 bar	390 l/min	180	1380	650	775
DVD124V-BH4A2	400 PE-V	B&S XR13,5	SI	VFT_4SP	40 m	25 bar	390 l/min	170	1380	650	775
DVD124V-BH4B2	400 PE-V	B&S XR13,5	SI	VFT_4SP	80 m	25 bar	390 l/min	172	1380	650	775
DVD124V-BH4C2	400 PE-V	B&S XR13,5	SI	VFT_4SP	20 m*	25 bar	390 l/min	174	1380	650	775
DVD124V-BH4D2	400 PE-V	B&S XR13,5	SI	VFT_4SP	40 m*	25 bar	390 l/min	176	1380	650	775
DVD125V-BH1A0	500 PE-V	Honda GXH50	NO	VFT_1SP4	20 m *	6,9 bar	260 l/min	127	1130	750	875
DVD125V-BH3A1	500 PE-V	B&S XR10	SI	VFT_3SP	40 m	16 bar	270 l/min	168	1380	750	875
DVD125V-BH3B1	500 PE-V	B&S XR10	SI	VFT_3SP	80 m	16 bar	270 l/min	170	1380	750	875
DVD125V-BH3C1	500 PE-V	B&S XR10	SI	VFT_3SP	20 m*	16 bar	270 l/min	172	1380	750	875
DVD125V-BH3D1	500 PE-V	B&S XR10	SI	VFT_3SP	40 m*	16 bar	270 l/min	174	1380	750	875
DVD125V-BH4A0	500 PE-V	Honda GX390	SI	VFT_4SP	40 m	25 bar	390 l/min	179	1380	750	875
DVD125V-BH4B0	500 PE-V	Honda GX390	SI	VFT_4SP	80 m	25 bar	390 l/min	181	1380	750	875
DVD125V-BH4C0	500 PE-V	Honda GX390	SI	VFT_4SP	20 m*	25 bar	390 l/min	183	1380	750	875
DVD125V-BH4D0	500 PE-V	Honda GX390	SI	VFT_4SP	40 m*	25 bar	390 l/min	185	1380	750	875
DVD125V-BH4A2	500 PE-V	B&S XR13,5	SI	VFT_4SP	40 m	25 bar	390 l/min	175	1380	750	875
DVD125V-BH4B2	500 PE-V	B&S XR13,5	SI	VFT_4SP	80 m	25 bar	390 l/min	177	1380	750	875
DVD125V-BH4C2	500 PE-V	B&S XR13,5	SI	VFT_4SP	20 m*	25 bar	390 l/min	179	1380	750	875
DVD125V-BH4D2	500 PE-V	B&S XR13,5	SI	VFT_4SP	40 m*	25 bar	390 l/min	181	1380	750	875
DVD126V-BH1A0	600 PE-V	Honda GXH50	NO	VFT_1SP4	20 m *	6,9 bar	260 l/min	134	1130	880	1005
DVD126V-BH3A1	600 PE-V	B&S XR10	SI	VFT_3SP	40 m	16 bar	270 l/min	175	1380	880	1005
DVD126V-BH3B1	600 PE-V	B&S XR10	SI	VFT_3SP	80 m	16 bar	270 l/min	177	1380	880	1005
DVD126V-BH3C1	600 PE-V	B&S XR10	SI	VFT_3SP	20 m*	16 bar	270 l/min	179	1380	880	1005
DVD126V-BH3D1	600 PE-V	B&S XR10	SI	VFT_3SP	40 m*	16 bar	270 l/min	181	1380	880	1005
DVD126V-BH4A0	600 PE-V	Honda GX390	SI	VFT_4SP	40 m	25 bar	390 l/min	186	1380	880	1005
DVD126V-BH4B0	600 PE-V	Honda GX390	SI	VFT_4SP	80 m	25 bar	390 l/min	188	1380	880	1005
DVD126V-BH4C0	600 PE-V	Honda GX390	SI	VFT_4SP	20 m*	25 bar	390 l/min	190	1380	880	1005
DVD126V-BH4D0	600 PE-V	Honda GX390	SI	VFT_4SP	40 m*	25 bar	390 l/min	192	1380	880	1005
DVD126V-BH4A2	600 PE-V	B&S XR13,5	SI	VFT_4SP	40 m	25 bar	390 l/min	182	1380	880	1005
DVD126V-BH4B2	600 PE-V	B&S XR13,5	SI	VFT_4SP	80 m	25 bar	390 l/min	184	1380	880	1005
DVD126V-BH4C2	600 PE-V	B&S XR13,5	SI	VFT_4SP	20 m*	25 bar	390 l/min	186	1380	880	1005
DVD126V-BH4D2	600 PE-V	B&S XR13,5	SI	VFT_4SP	40 m*	25 bar	390 l/min	188	1380	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](mailto:clientes@vallfirest.com) | T. +34 938 678 779