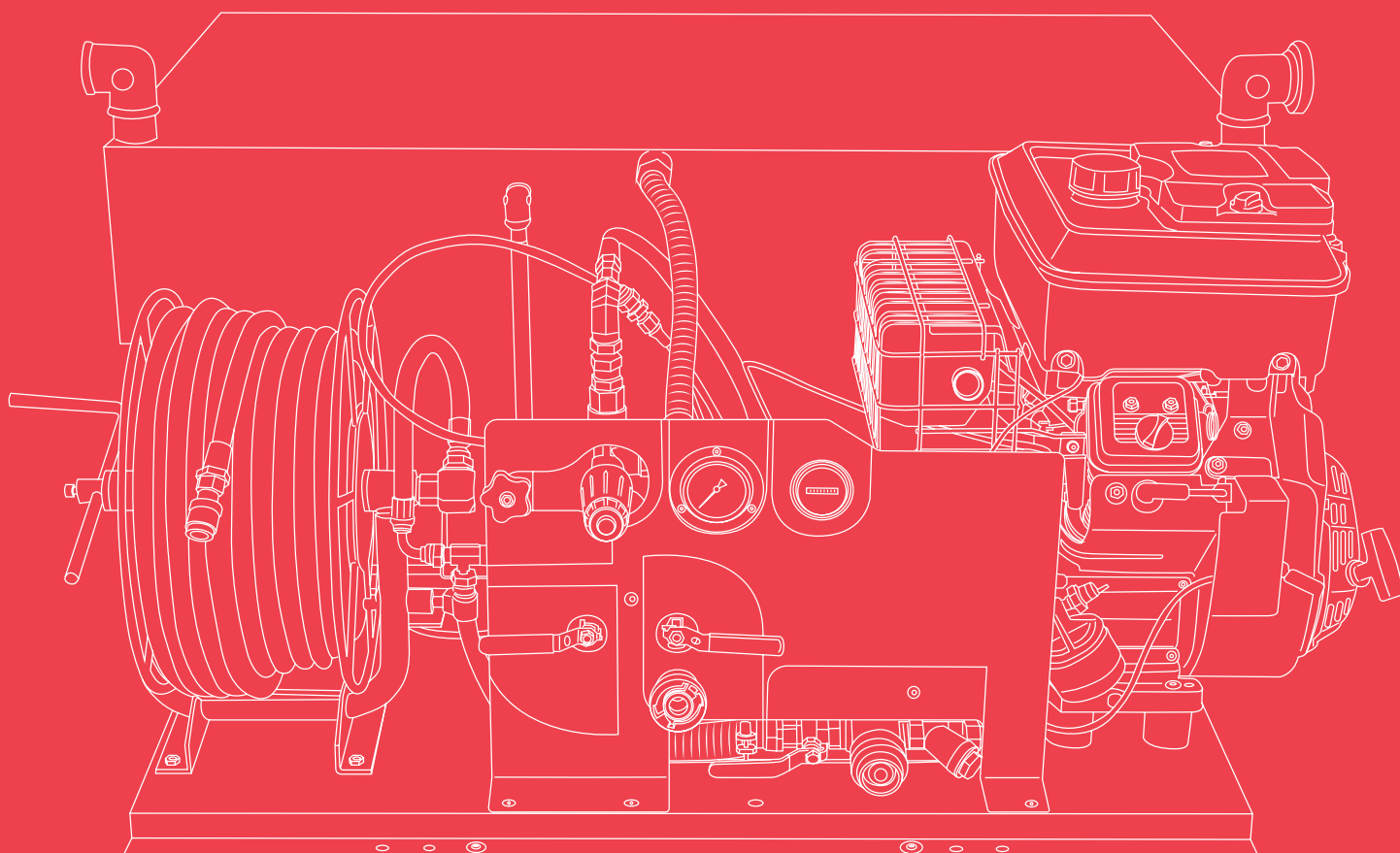


Extinguishing kit with a piston pump

High pressure



vallfirest®



Extinguishing kit with a piston pump

High pressure | Up to 100 Bar

Rapid intervention extinguishing kits designed for pickup vehicles and trailers, 100% customizable equipped with piston pumps up to 100 bars with a maximum flow of up to 42 liters per minute.

- > High-quality components and replacement part availability.
- > Resistant tanks made of 2 mm AISI-304 stainless steel.
- > The best quality/price ratio.
- > The weight of the 450-liter kit including the hose is 206 kg. (the weight may vary based on the motorization and tank capacity).
- > 2-year warranty.



WHAT IS INCLUDED?

ENGINE

PISTON PUMP

QUICK ATTACK WINDER

WATER TANK

ATTACK NOZZLES

VANGUARD 16 CV | VANGUARD 18 CV

XWL 42.10 PUMP WITH CR1698 REDUCER

EQUIPPED WITH A 50 M. MAIBERFLEX HOSE

450 L. T | 600 L. CS | 600 L. CD

WATER AND FOAM

USES

FOREST FIRES

CONTAINER AND VEHICLE FIRES

CLEANING AND UNCLOGGING

LESS RECOMMENDED

RECOMMENDED USE

RECOMMENDED USE

1. Engines

16 or 18 CV Vanguard Engine.
2-cylinder, 4-stroke gasoline engine.
Electric and manual start.
With independent 12 V battery.

OPTIONS

- _Vanguard 16 cv. de 479 cc at 3600 rpm.
- _Vanguard 18 cv. de 570 cc at 3600 rpm.



Vanguard 16 cv.



Vanguard 18 cv.

1.1. Vanguard

SPECIFICATIONS	VANGUARD 16 CV	VANGUARD 18 CV
ENGINE	4 STROKE GASOLINE	4 STROKE GASOLINE
BORE AND STROKE	68 X 66 MM.	72 X 70 MM.
CYLINDER CAPACITY	479 CM3	570 CM3
COMPRESSION RATIO	8.2:1	8.2:1
POWER	16 CV AT 3600 RPM	18 CV AT 3600 RPM
MAX. TORQUE	-	-
START	ELECTRIC AND MANUAL	ELECTRIC AND MANUAL
TANK CAPACITY	-	-
CONSUMPTION	-	-
OIL CAPACITY	1,7 L.	1,7 L.
DIMENSIONS (L X W X H)	429 X 404 X 310 MM.	439 X 344 X 406 MM.
DRY WEIGHT	32,6 KG.	33,3 KG.



- *OHV Technology | Optimized performance for longer engine life and higher fuel savings.
- *Cast-iron sleeve | Better integrity and durability, resists wear and abuse while providing better oil control.

2. Piston pump

Annovi Reverberi XWL 42.10 high-pressure 3-piston volumetric pump with CR1698 reducer. The pump body and lids are made of diecast aluminum alloy.

CHARACTERISTICS

- _Maximum admissible power 18.5 kw (25 cv.).
- _Pump flow rate 42 l/min. up to 100 bar at 1450 rpm. Reducer 1:2.24
- _Closed side lid with oil level.
- _Rear lid with oil drainage and level.
- _Piston movement through a rod-crank system.
- _Pump axle made of highly resistant molded steel.
- _Large-size bearings.
- _Special zinc alloy rods: diecast aluminum with anti-friction properties. Complete ceramic pistons.
- _Pump head in molded brass.
- _Double-seal system. The valve is covered at the input and output for better maintenance.



PUMP	FLOW	PRESSION	POWER	RPM	WEIGHT (KG)
XWL 42.10 N	42 L/MIN	100 BAR	11 CV	1450	16

3. Control panel

The kit features a complete painted aluminum panel with all the controls and valves, including the foam dosage system, a time counter and a pressure gauge.

Features a safety system that automatically turns the engine off when there is only about 10% water left in the tank. The motor-pump unit automatically speeds up when the nozzle trigger is pressed with the engine returning to standby when the trigger is released.

Features a foam mixing system to enhance the quality of the foam upon force. The system can accurately adjust the foam-forming agent aspiration 1-6%.



4. Water tank

Vallfirest tanks feature 2 inner breakwaters to prevent water from moving to the side to ensure vehicle stability. The tank has two 1 and 1/2" horizontal holes at the top, one to load water and another for air flow. The tank features a 3/4" drain with a plug to empty the tank from the front. The tank connects to the pickup bed with 4 anchoring points on a Silemblock system that absorbs load stress and movement.

_Made of 2 mm cold-rolled, fireproof and flame-resistant AISI-304 stainless steel.

_450 to 600 liter T-shaped tanks.

_Remaining water level indicator for the water tank.

_Inlet to load the tank via suction with an oversleeve.

_T-stopcock for tank and absorption.

_Variable empty weight of 81.5 kg (450L).

_Enamelled.

STANDARD COLORS

_Yellow | White | Red | Stainless steel

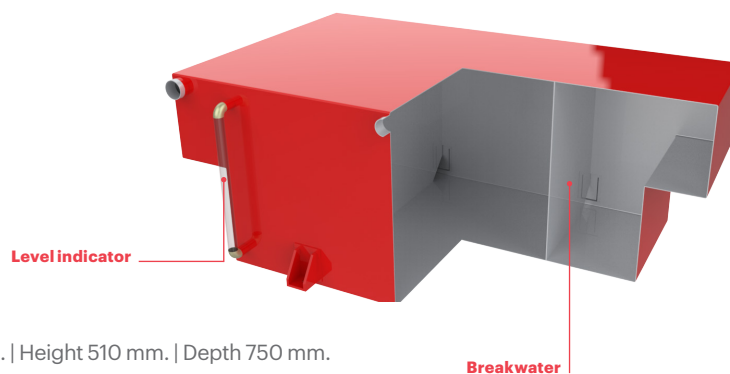
*Can be made in any color; ask.

TANK DIMENSIONS

_450I.T Total width 1300 mm. | Base width 1000 mm. | Height 510 mm. | Depth 750 mm.

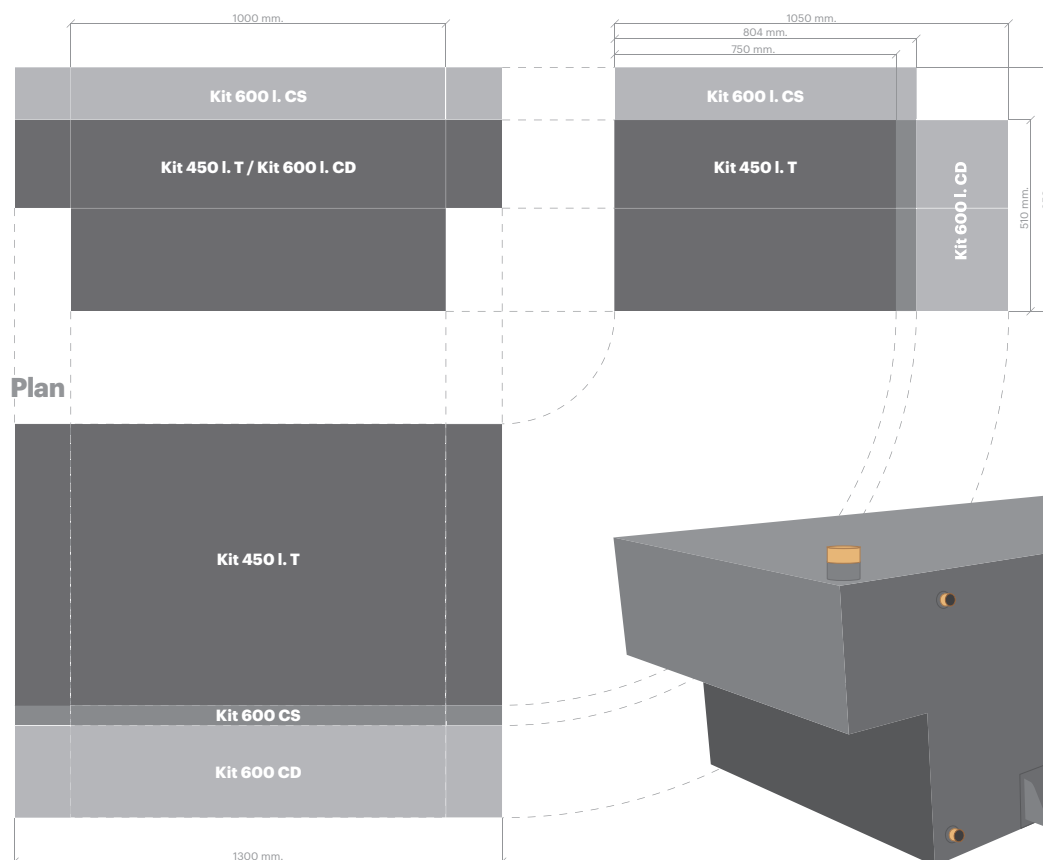
_600I.CS Total width 1300 mm. | Base width 1000 mm. | Height 650 mm. | Depth 804 mm.

_600I.CD Total width 1300 mm. | Base width 1000 mm. | Height 610 mm. | Depth 1050 mm.



Raised view

Profile



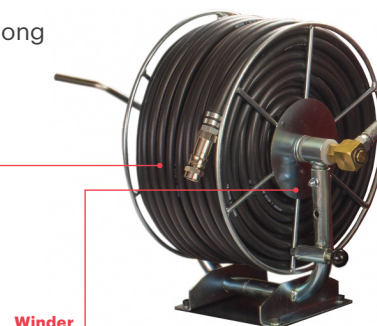
< The sketch to the left shows how the tanks overlap depending on the size.

5. Quick attack winder

It features an easily-accessible manual winder with a semi-rigid hose up to 50 m long for high pressure.

HOSE MODEL

Maiberflex up to 180 bar made of multi-layer highly resistant fiber.



Winder

6. Attack nozzles

6.1. Water nozzle

High-pressure foam nozzle.
Low-expansion diffuser.
Hollow cone jet.
Compact long-distance jet.
Foam expansion.

TECHNICAL DATA

_Max. pressure: 250 bar



6.2. Foam nozzle

900 mm nozzle.
1/4" M NPT 00.15 stainless steel nozzle.
TECSIL 2006 gun.

TECHNICAL DATA

_Max. flow: 45 l/min

_Max. pressure: 250 BAR 3/8".



7. Tool carrier structure (optional)

Different possibilities; fully customizable.

The operability of these vehicles is increased with tool carrier structures accompanying the extinguishing kits: manual tools, drip torches, chainsaws, water packs, combat packs...

COMPONENTS

- _ Tool carrier cabinet.
- _ Tool carrier structure.
- _ Anti-slip equipment carrying tray with railing.

*Custom made.



< Can carry all necessary tools in an organized manner

/// Water intake options

> TANK

Working with the winder, a high-pressure line can be launched at 40 bars or working from the emergency exit with a 25 mm line, any distance from the vehicle by adjusting the flow from 19-37 l/min.

> HYDRANT

Connected to a 45 mm line from a hydrant to the tank.

Can work with the winder or a 25 mm line, adjusting the flow from 19-37 l/min.

> LOAD MOTOR PUMP

A motor pump with suction from a pool, reservoir, cistern, etc. drives the water to the tank.

Can work with the winder or a 25 line, adjusting the flow from 19-37 l/min.

8. Available configurations and references

8.1. Gasoline engines

REFERENCE	CAPACITY	TANK	ENGINE	START	POWER	PUMP	MAX. PRESS.	MAX. FLOW
DVD0201-00014	450L	T	VANGUARD	ELECTRIC AND MANUAL	18CV	XWL 42.10	100BAR	42L/MIN
DVD0201-00019	450L	T	VANGUARD	ELECTRIC AND MANUAL	16CV	XWL 42.10	100BAR	42L/MIN
DVD0202-00010	600L	CS	VANGUARD	ELECTRIC AND MANUAL	18CV	XWL 42.10	100BAR	42L/MIN
DVD0202-00015	600L	CS	VANGUARD	ELECTRIC AND MANUAL	16CV	XWL 42.10	100BAR	42L/MIN
DVD0203-00010	600L	CD	VANGUARD	ELECTRIC AND MANUAL	18CV	XWL 42.10	100BAR	42L/MIN
DVD0203-00015	600L	CD	VANGUARD	ELECTRIC AND MANUAL	16CV	XWL 42.10	100BAR	42L/MIN

*Ask about pricing for higher capacity tanks or other shapes.

*T: T-shaped tank | CS: single cabin tank | CD: double cabin tank.

