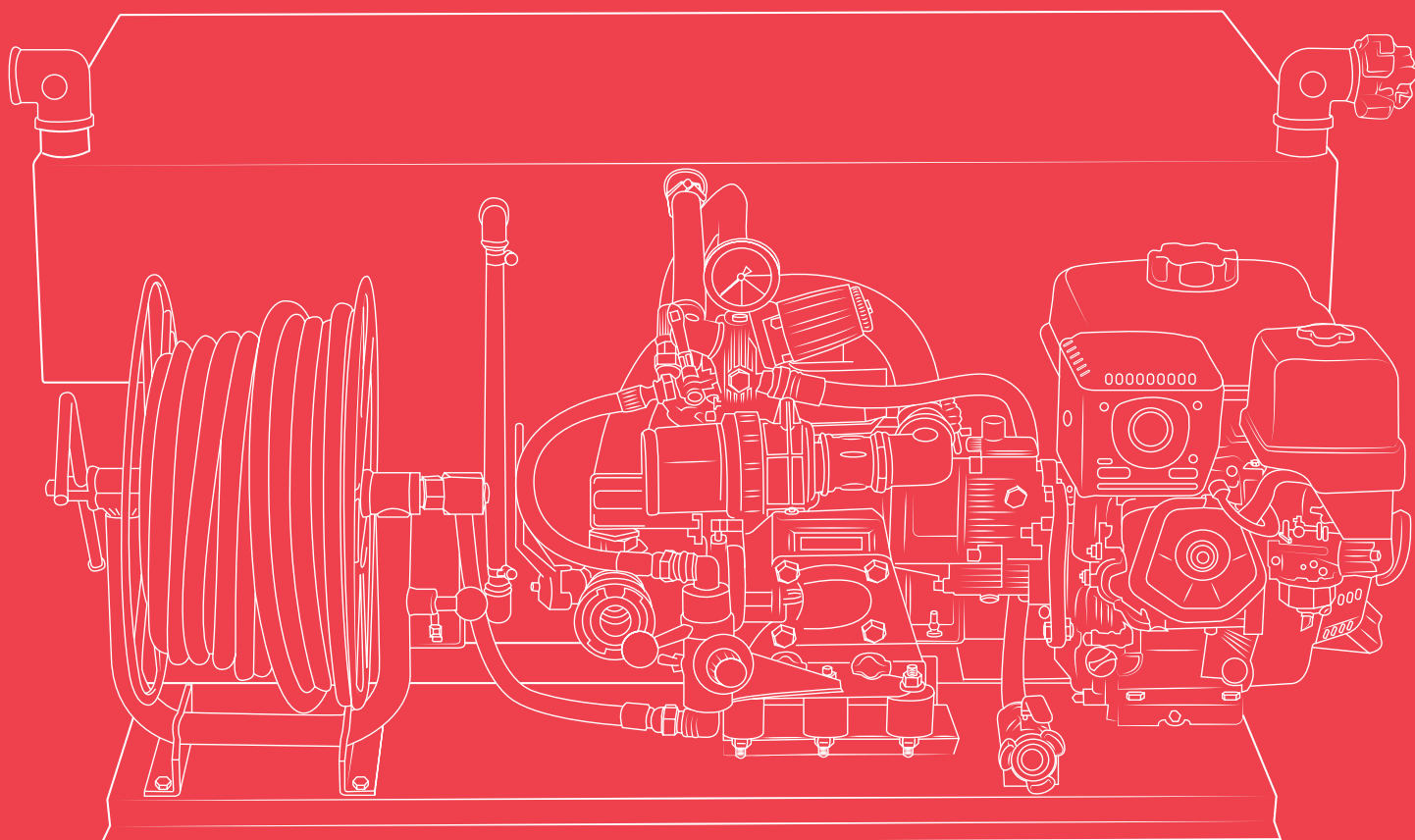


Extinguishing kit with centrifugal pump

Medium pressure



vallfirest®



Extinguishing kit with centrifugal pump

Medium pressure | Up to 16 Bar

Rapid intervention extinguishing kits designed for pickup vehicles and trailers, equipped with centrifugal pumps up to 14 bars with a maximum flow of up to 248 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 185.5 kg. (the weight may vary based on the motorization and tank capacity).
- > 2-year warranty.



WHAT IS INCLUDED?

ENGINE

GASOLINE 9 TO 14 CV

CENTRIFUGAL PUMP

2-RD-50/9 OR 2-RD-50/13 14 TO 16 BARS AND 200 TO 248 L./MIN.

QUICK ATTACK WINDER

(HOSE NOT INCLUDED)

WATER TANK

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

ABSORPTION OVERSLEEVE

5M. LENGTH

USES

FOREST FIRES

RECOMMENDED USE

CONTAINER AND VEHICLE FIRES

RECOMMENDED USE

HOUSE FIRE

RECOMMENDED USE

1. Engines

Motorization options available. 4-stroke gasoline or diesel combustion engines.

OPCIONES

- _ Honda GX270 9cv | Honda GX390 13cv
- _ Kohler Command PRO CH395 9,5cv | Kohler Command PRO CH440 14cv



Honda



Kohler

1.1. Honda

SPECIFICATIONS	HONDA GX270 9CV	HONDA GX390 13CV
ENGINE	4 STROKE GASOLINE	4 STROKES GASOLINE
BORE AND STROKE	77 X 58 MM.	88 X 64 MM.
CYLINDER CAPACITY	270 CM³	390 CM³
COMPRESSION RATIO	8.5:1	8.2:1
POWER	8,4 CV AT 3600 RPM	11,7 CV AT 3600 RPM
MAX. TORQUE	19,1 NM AT 2500 RPM	26,5 NM AT 2500 RPM
START	MANUAL	MANUAL
TANK CAPACITY	5,3 L.	6,1 L.
CONSUMPTION	2,4 L/H	3,5 L/H
OIL CAPACITY	1,1 L.	1,1 L.
DIMENSIONS (L X W X H)	381 X 428 X 422 MM.	406 X 460 X 448 MM.
DRY WEIGHT	25,8 KG.	31,7 KG.



* 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 at a specific speed. This value may vary in mass produced models. 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.

1.2. Kohler

SPECIFICATIONS	COMMAND PRO CH395	COMMAND PRO CH440
ENGINE	4 STROKE G/D	4 STROKE G/D
BORE AND STROKE	78 X 58 MM.	89 X 69 MM.
CYLINDER CAPACITY	277 CM³	429 CM³
COMPRESSION RATIO	8.5:1	8.0:1
POWER	9,5 CV	14 CV
MAX. TORQUE	13,9 NM	22,7 NM
START	ELECTRIC OR MANUAL	ELECTRIC OR MANUAL
TANK CAPACITY	7,7 L.	7,7 L.
CONSUMPTION	-	-
OIL CAPACITY	1,3 L.	1,3 L.
DIMENSIONS (L X W X H)	403 X 427 X 424 MM.	380 X 452 X 443 MM.
DRY WEIGHT	27,8 KG.	33 KG.



*These G/D (gasoline/diesel) engines are 4-stroke with a slanted cylinder design, cast iron cylinder sleeves and easy-access head valves. The 4-step cyclone air filter system.

2. Low pressure centrifugal pump

Centrifugal pump in anti-corrosive hardened aluminium.

- > Stainless steel axles on the engine crankshaft.
- > High-quality mechanical seals.
- > Bronze turbines.

OPTIONS

Vilpin 2-RD-50/9 with a flow rate of 200 l/min. 14 bar pressure and 9 CV power.

Vilpin 2-RD-50/13 with a flow rate of 248 l/min. 16 bar pressure and 13 CV power.

*Installed with a barometric pressure switch and return valve.

2.1. Vilpin

SPECIFICATIONS	2-RD-50/9	2-RD-50/13
CATEGORY	LOW PRESSURE	LOW PRESSURE
POWER	9 CV	13 CV
RPM	3600	3600
ASPIRATION	1 1/2" DIAMETER	1 1/2" DIAMETER
EXHAUST	1 1/4" DIAMETER	1 1/4" DIAMETER



3. 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

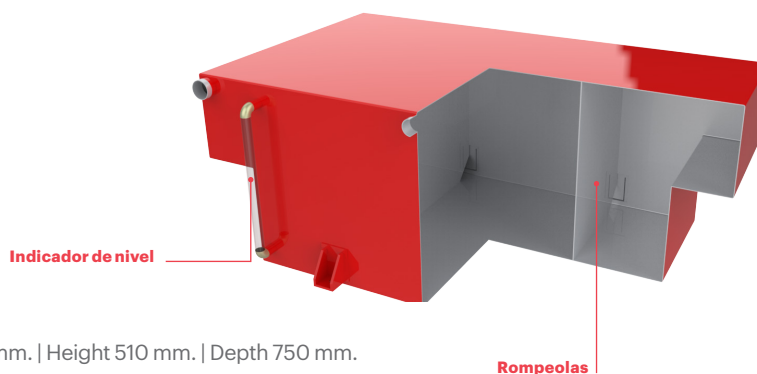
*Can be made in any color; ask.

TANK DIMENSIONS

450l.T Total width 1300 mm. | Base width 1000 mm. | Height 510 mm. | Depth 750 mm.

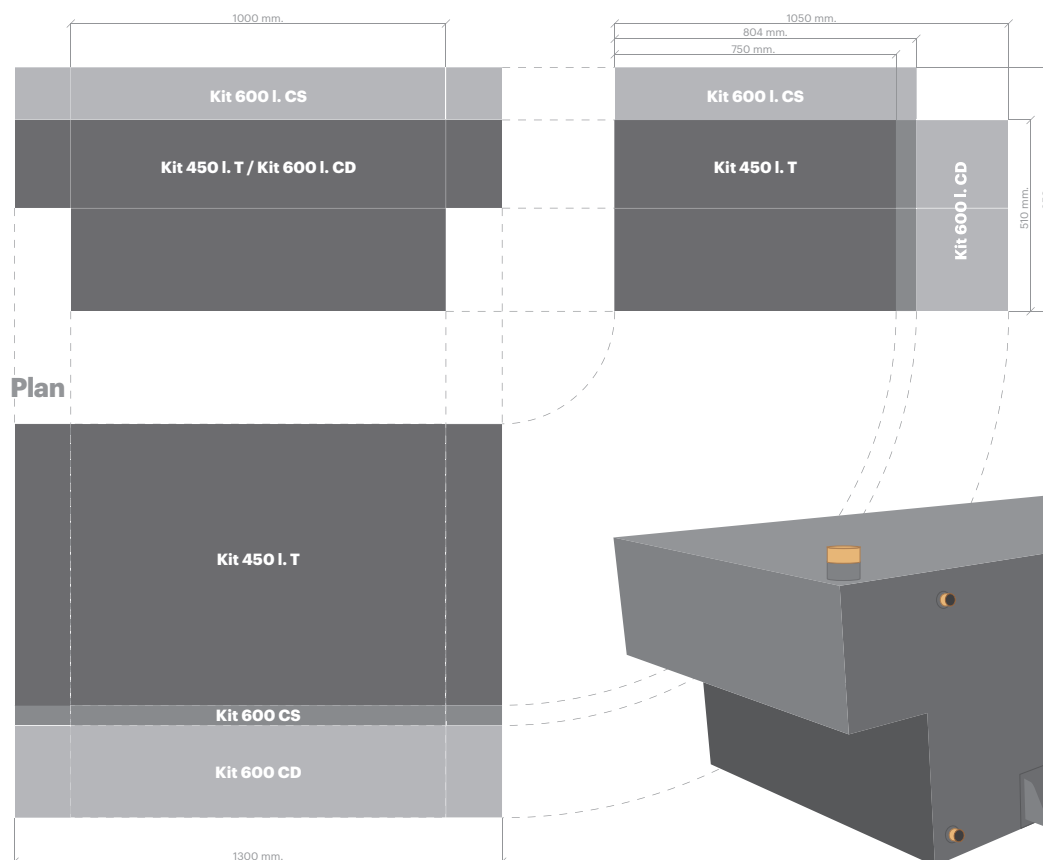
600l.CS Total width 1300 mm. | Base width 1000 mm. | Height 650 mm. | Depth 804 mm.

600l.CD Total width 1300 mm. | Base width 1000 mm. | Height 610 mm. | Depth 1050 mm.

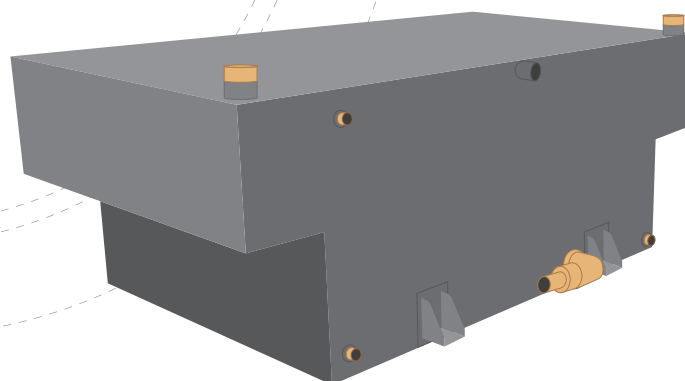


Raised view

Profile

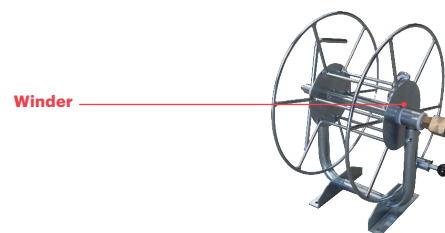


< The sketch to the left shows how the tanks overlap depending on the size.



4. Quick attack winder

Winder mounted on the main structure.
Capacity: Two 20 meter sections 20 mm in diameter.



5. Optional accessories

5.1. Hose

A 3-layer hose for low-pressure use with two 20-meter sections made of circular weaved fabric, 100% high-tenacity wire, completely protected by a layer of synthetic rubber to create a homogeneous structure.

TECHNICAL DATA

Operating pressure 40 bar.

Hose section 25 or 45 mm.



5.2. Adjustable flow nozzle

VF SG 540 POL ABV-25 forestry nozzle with 4 adjustable flow positions.
UNE 23400 fixed connection (rotation optional).
Nozzles tested and calibrated individually, designed to operate up to 30 bar.
Good behavior in extreme conditions, easy maintenance, resistant and long-lasting.
High quality stream and fog, even at low flows (19 l/min.).
Highly secure, comfortable and safe ergonomic grip.
Operates at low pressure and with low flow. Additional bleed-cleaning position.



TECHNICAL DATA

Maximum pressure 30 bar.

Flow 19 - 37 - 90 - 150 l/min.

Thread 1" BSP female

Connection 25 mm.

Weight 1,25 kg.



5.3. Absorption oversleeve

5-meter translucent white or blue spiral absorption oversleeve.
Used to suction water from anywhere and to fill the extinguishing tank.

*Includes non-return foot valve and filter.



5.4. Foam System

Compact and easy-to-use, Venturi foam mixing with a proportional manual selector valve to create a stable mix of foam-forming agent in the water. The mix never circulates through the inside of the pump which protects it from corrosion.

TECHNICAL DATA

- _ **Flow** de 100 l/min.
- _ **Input** 1" BSP rotating
- _ **Weight** 1,31 kg.
- _ **Length** 39 cm.



Viper Foam PVB 1560 Nozzle

FOAM INDUCTOR

- _ In-line Venturi foam-forming supply system with built-in bypass.
- _ Retention valve to prevent foam-forming agent contamination.
- _ Suitable for use on water lines because of the water-foam bypass.
- _ Recommended for use with our Viper Foam nozzles.
- _ Made of corrosion-resistant anodized aluminum.
- _ Custom fixed dosage on request.
- _ Between 3% and 6% standard fixed dosage.



BYPP IF Foam Inductor



5.5. Tool carrier structure

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

Works with a 25 mm line to any distance from the vehicle, adjusting the flow to 19-37-90-150 l/min.

> HYDRANT

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

Can work with one or two 25 mm lines or a 45 mm one.

> SIMULTANEOUS SUCTION AND ATTACK (ASPIRATION FROM A POOL, RIVER, ETC.)

Works with a 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 one or two 25 mm lines or a 45 mm one.

> OTHER VEHICLES

By suctioning water with the pump, other emergency vehicles can be loaded at a great distance with a 45 mm line.

6. Available configurations and references

6.1. Gasoline engines

REFERENCE	CAPACITY	TANK	ENGINE	START	POWER	PUMP	MAX. PRESS.	MAX. FLOW
DVD0201-00001	450L	T	HONDA GX270	MANUAL	9CV	RD-50/9	14BAR	200L/MIN
DVD0201-00012	450L	T	KOHLER PRO CH395	ELECTRONIC	9,5CV	RD-50/9	14BAR	200L/MIN
DVD0201-00005	450L	T	HONDA GX390	ELECTRONIC	13CV	RD-50/13	16BAR	248L/MIN
DVD0201-00013	450L	T	KOHLER PRO CH440	ELECTRONIC	14CV	RD-50/13	16BAR	248L/MIN
DVD0202-00001	600L	CS	HONDA GX270	MANUAL	9CV	RD-50/9	14BAR	200L/MIN
DVD0202-00008	600L	CS	KOHLER PRO CH395	ELECTRONIC	9,5CV	RD-50/9	14BAR	200L/MIN
DVD0202-00003	600L	CS	HONDA GX390	ELECTRONIC	13CV	RD-50/13	16BAR	248L/MIN
DVD0202-00009	600L	CS	KOHLER PRO CH440	ELECTRONIC	14CV	RD-50/13	16BAR	248L/MIN
DVD0203-00001	600L	CD	HONDA GX270	MANUAL	9CV	RD-50/9	14BAR	200L/MIN
DVD0203-00008	600L	CD	KOHLER PRO CH395	ELECTRONIC	9,5CV	RD-50/9	14BAR	200L/MIN
DVD0203-00003	600L	CD	HONDA GX390	ELECTRONIC	13CV	RD-50/13	16BAR	248L/MIN
DVD0203-00009	600L	CD	KOHLER PRO CH440	ELECTRONIC	14CV	RD-50/13	16BAR	248L/MIN

6.2. Diesel engines

REFERENCE	CAPACITY	TANK	ENGINE	START	POWER	PUMP	MAX. PRESS.	MAX. FLOW
DVD0201-00015	450L	T	KOHLER PRO CH395	ELECTRONIC	9CV	RD-50/9	14BAR	200L/MIN
DVD0201-00017	450L	T	KOHLER PRO CH440	ELECTRONIC	13CV	RD-50/13	16BAR	248L/MIN
DVD0202-00012	600L	CS	KOHLER PRO CH395	ELECTRONIC	9CV	RD-50/9	14BAR	200L/MIN
DVD0202-00014	600L	CS	KOHLER PRO CH440	ELECTRONIC	13CV	RD-50/13	16BAR	248L/MIN
DVD0203-00012	600L	CD	KOHLER PRO CH395	ELECTRONIC	9CV	RD-50/9	14BAR	200L/MIN
DVD0203-00014	600L	CD	KOHLER PRO CH440	ELECTRONIC	13CV	RD-50/13	16BAR	248L/MIN

6.3. Extras

REFERENCE	PRODUCT	MODEL
DVD5401-00000	VIPER NOZZLE	SG540
DVD5306-00000	3 CAPAS 25MM. HOSE	25MM. T25

6.4. Foam kit

REFERENCE	PRODUCT	MODEL
DVD5401-00000	VIPER NOZZLE	PVB 1560
DVD5412-00000	KUGEL FOAM INDUCTOR	BYPP IF100

*Ask about pricing for higher capacity tanks or other shapes

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

*A 40-meter hose is recommended for extinguishing kits with a foam-forming kit for best operation.



All our kits can be custom built; ask about other configurations:
info@vallfirest.com | T. +34 938 678 779

