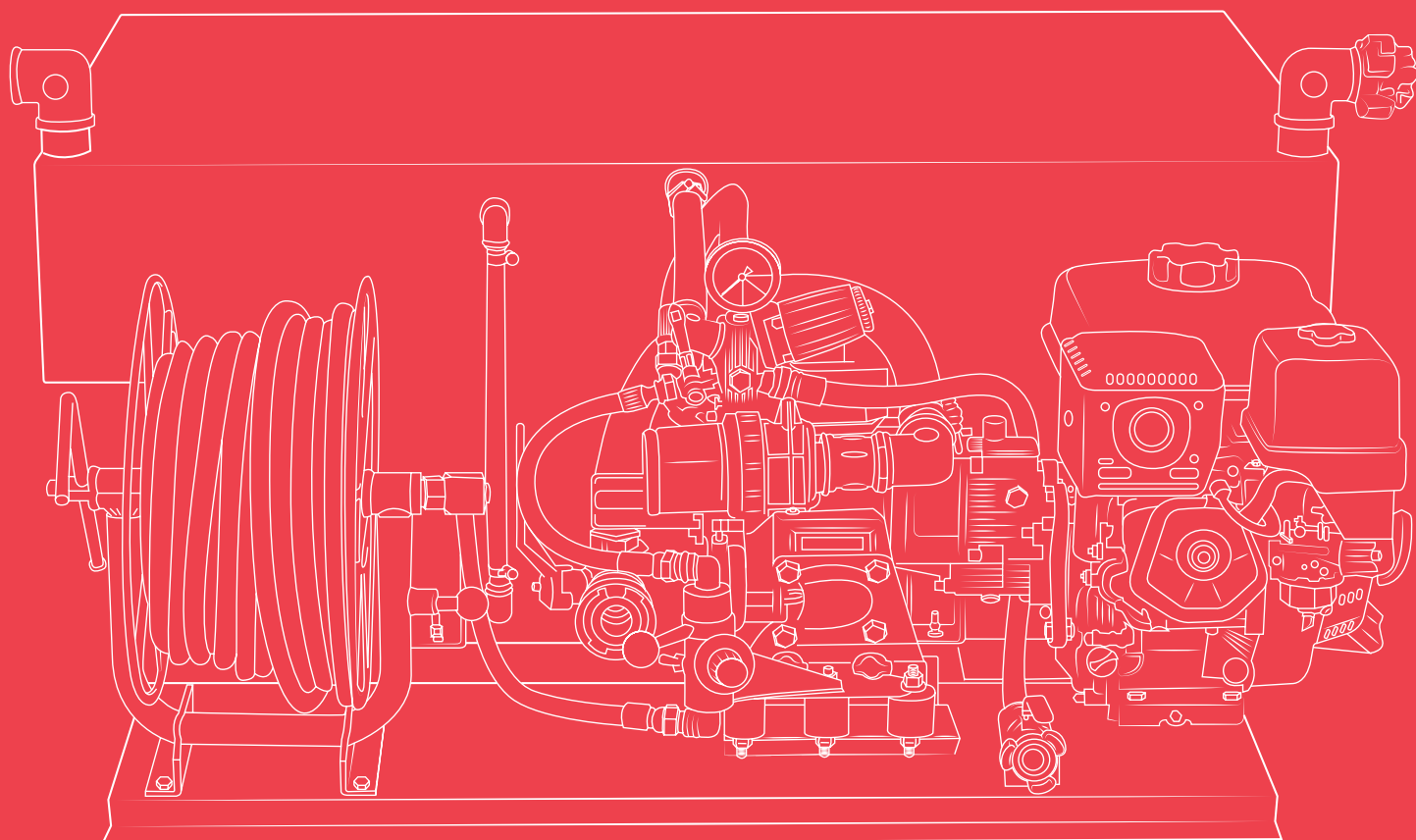


Extinguishing kit with a membrane pump

Medium | High pressure



vallfirest®

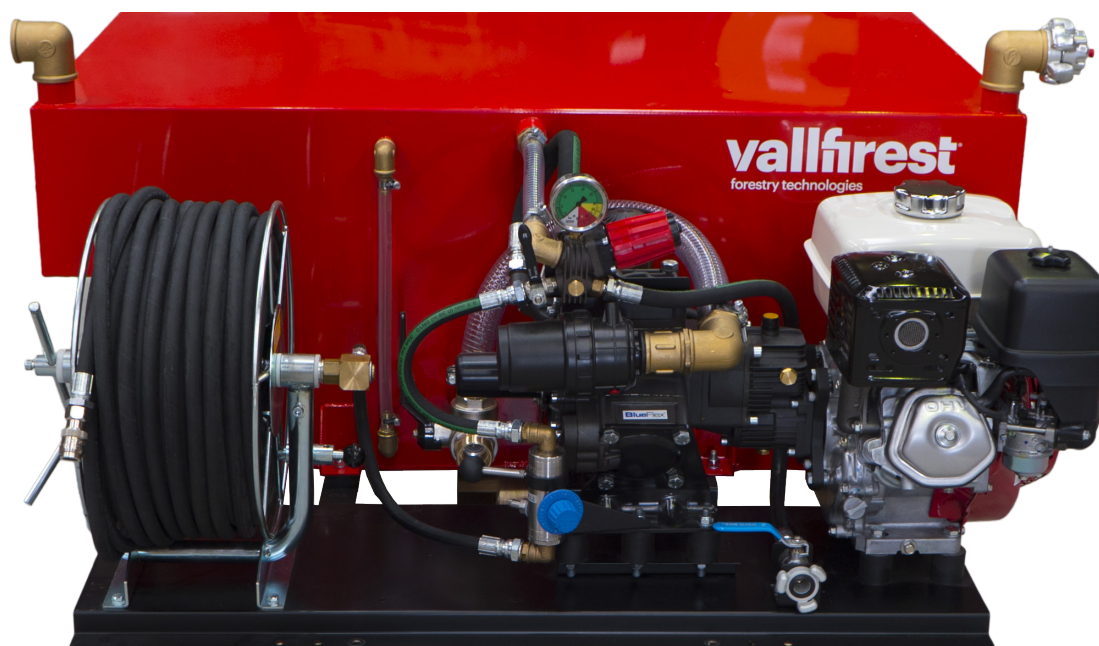


Extinguishing kit with a membrane pump

Medium - High pressure | Up to 50 Bar

Rapid intervention extinguishing kits designed for pickup vehicles and trailers, equipped with membrane pumps up to 50 bars with a maximum flow of up to 105 l/min.

- > High-quality components and great 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 203.5 kg. (the weight may vary based on the motorization and tank capacity).
- > 2-year warranty.



WHAT IS INCLUDED?

ENGINE

GASOLINE/DIESEL 4SE, 9 TO 14 CV

MEMBRANE PUMP

AR813 | AR503 | AR1064 (40 - 50 BARS | 54 - 105 L/MIN)

QUICK ATTACK WINDER

EQUIPPED WITH A 70 M. MAIBERFLEX HOSE TO 80 BAR

WATER TANK

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

ATTACK NOZZLE

UP TO 60 BAR AND 110 L/MIN

ABSORPTION OVERSLEEVE

5 M. LONG

USES

FOREST FIRES

RECOMENDED USE

CONTAINER AND VEHICLE FIRES

RECOMENDED USE

CLEANING AND UNCLOGGING

LESS RECOMENDED

1. Engines

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

OPTIONS

- _ Honda GX270/GX390
- _ Briggs & Stratton XR 1450
- _ Kohler Command PRO CH395/CH440



Honda



Kohler



Briggs & Stratton

1.1. Honda

SPECIFICATIONS	HONDA GX270 9CV	HONDA GX390 13CV
ENGINE	4 STROKE GASOLINE	4 STROKE GASOLINE
BORE AND STROKE	77 X 58 MM.	88 X 64 MM.
CYLINDER CAPACITY	270 CM ³	389 CM ³
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.
CANSUMPTION	2,4 L/H AT 3600 RPM	3,5 L/H AT 3600 RPM
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 CM ³	429 CM ³
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.

1.3. Briggs & Stratton

SPECIFICATIONS	XR 1450 10CV
ENGINE	4 STROKE GASOLINE
BORE AND STROKE	82 X 52 MM.
CYLINDER CAPACITY	306 CM ³
COMPRESSION RATIO	-
POWER	10 CV
MAX TORQUE	19,6 NM
START	ELECTRIC OR MANUAL
TANK CAPACITY	5,3 L.
CONSUMPTION	-
OIL CAPACITY	1,1 L.
DIMENSIONS (L X W X H)	327 X 309 X 442 MM.
DRY WEIGHT	25 KG.



*These gasoline engines are 4-stroke with a slanted cylinder design, cast iron cylinder sleeves and easy-access.

2. Membrane pumps

There are three 3 or 4 high-pressure membrane volumetric pump models available depending on the chosen engine.

COMPONENTS

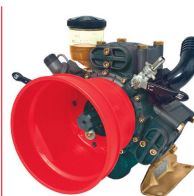
- _Equipped with a hydropneumatic shock absorber for better operating regularity and less pulsations in the delivery circuit.
- _Valves with a spherical sector profile which create less resistance to the passage of liquid and improve volumetric efficiency.
- _Membrane lock system designed to prevent scratching upon contact even in intense working conditions.
- _Segment pistons for greater efficiency in the "oil cushion" membrane system.
- _Oil-immersed diecast housing.
- _Transparent plastic tank for level control.
- _A restart overpressure valve and cardan protection.
- _Galvanized screws.
- _Sensor for remote control.
- _Oil drainage lid.
- _NBR rubber seals.

OPTIONS

- _Annovi Reverberi AR813/AR1064&/AR503.



AR503



AR813



AR1064

SPECIFICATIONS	AR 813	AR 1064	AR 503
VERSION	AP C/C	AP C/C	C/SP
CATEGORY	HIGH PRESSURE	HIGH PRESSURE	MEDIUM PRESSURE
N° OF MEMBRANES	3	4	3
FLOW	79,9 L/MIN	108,5 L/MIN	54,1 L/MIN
PRESSURE	50 BAR	50 BAR	40 BAR
POWER	8,8 CV	13,1 CV	5,6 CV
RPM	550	550	550
WEIGHT	20,5 KG.	23,5 KG.	11,5 KG.
DIMENSIONS (L X W X H)	350 MM. X 335 MM. X 409 MM.	348 MM. X 375 MM. X 409 MM.	372 MM. X 274 MM. X 294 MM.
ASPIRATION	40 MM. DIAMETER	40 MM. DIAMETER	30 MM. DIAMETER
EXHAUST	3/4" DIAMETER	3/4" DIAMETER	3/4" DIAMETER
MAX. TEMPERATURE	60°C	60°C	60°C

*Compatible with:

Honda GX270
Kohler Pro CH395

Honda GX390
Kohler Pro CH440

B&S XR1450

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

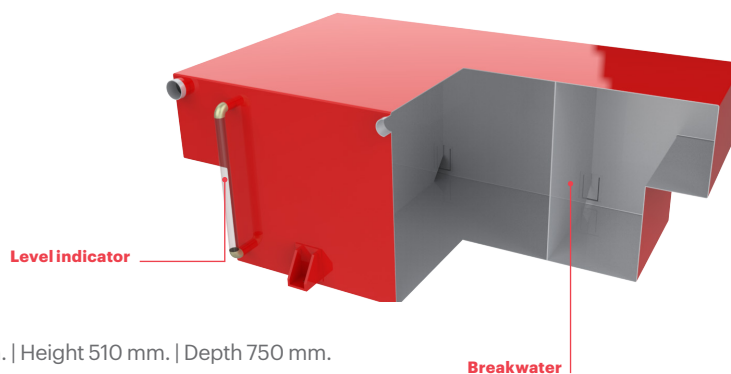
*Can be made un any color; ask.

TANK DIMENSIONS

_450l.T Total width 1300 mm. | Base width 1000 mm. | Height 510 mm. | Depth 750 mm.

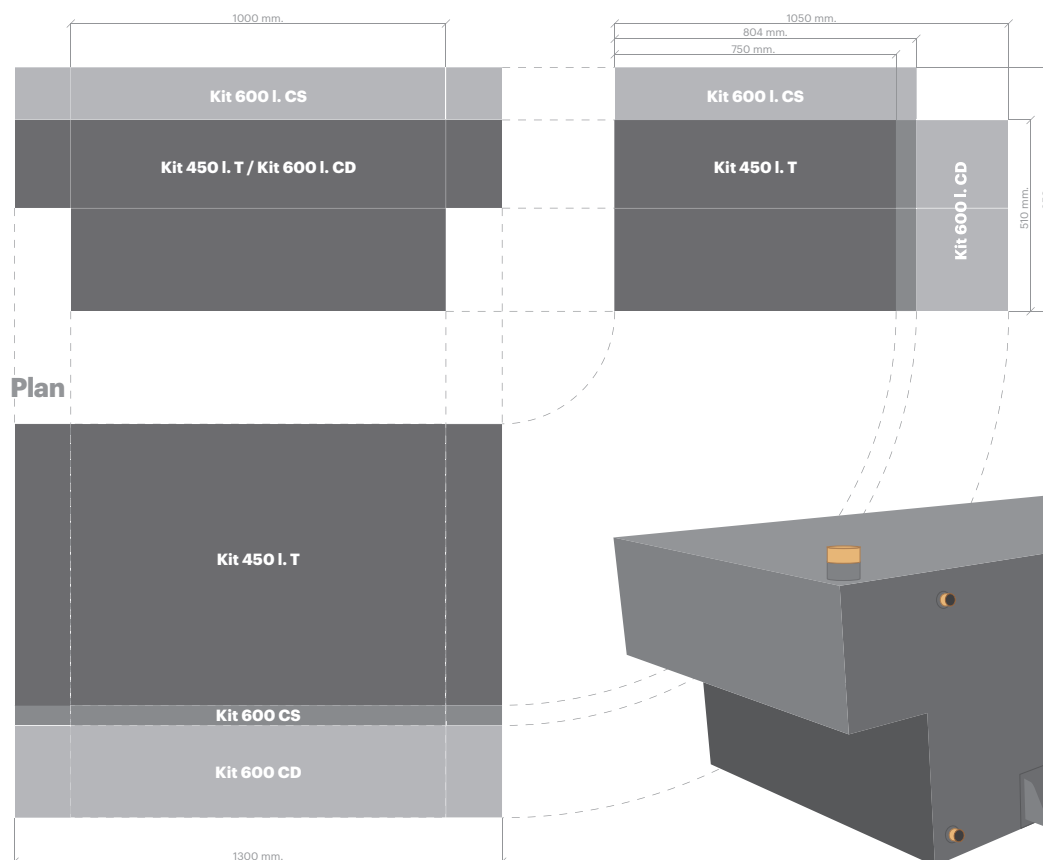
_600l.CS Total width 1300 mm. | Base width 1000 mm. | Height 650 mm. | Depth 804 mm.

_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.

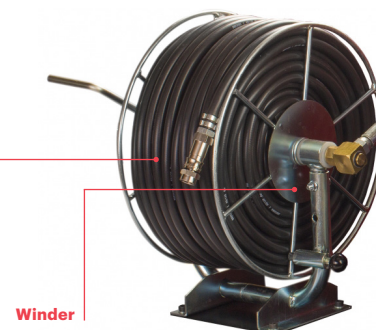
4. Quick attack winder

70 meter rubber hose up to 80 bar.

The winder comes assembled with a connection to the water pump

HOSE MODEL

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



5. Attack nozzle

High-pressure and high-range nozzle (700 mm.).

Variable angle with Ø 4,5 nozzle tip.

1/2" M inlet connection.

Concentrated stream

Full/hollow cone

TECHNICAL SPECIFICATIONS

Max pressure: 60 bar

Max flow: 110 l./min

Temperature: 90°

Inlet connection: G. 1/2"

Output connection: 4.5 mm diameter nozzle tip

Weight: 1.6 kg.

Material: stainless steel - brass



6. Absorption oversleeve

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

*Includes non-return foot valve and filter.



7. Foam System (optional)

A compact, easy-to-use system to mix foaming agent with 0 to 6% manually controlled high-pressure adjustment using a control panel. The Venturi system with a manual valve makes it possible to adjust the proportion of foaming agent in the water at any time. The mix never circulates through the inside of the pump which protects it from corrosion. The foam system is comprised of:

_PVB AV785 Foam Nozzle

_EASY FOAM 365+ foam inductor with stainless steel injectors ST-167 / ST-168. These injectors work with a maximum input pressure of 350 bar and, due to the use of high-quality materials, they can be used at temperatures of up to 100°C. Input: 1/2 " female / Output: 1/2 " female.



8. 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, DRIPTORCHES, 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.

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

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 mm line, adjusting the flow from 19-37 l/min.

9. Available configurations and references

9.1. Gasoline engines

REFERENCE	CAPACITY	TANK	ENGINE	STAR	POWER	PUMP	MAX. PRESS.	MAX. FLOW
DVD0201-00003	450L	T	HONDA GX270	MANUAL	9CV	AR813	50BAR	72L/MIN
DVD0201-00010	450L	T	KOHLER PRO CH395	ELECTRIC	9,5CV	AR813	50BAR	72L/MIN
DVD0201-00009	450L	T	B & S XR1450	MANUAL	10CV	AR503	40BAR	54L/MIN
DVD0201-00007	450L	T	HONDA GX390	MANUAL	13CV	AR1064	50BAR	105L/MIN
DVD0201-00011	450L	T	KOHLER PRO CH440	ELECTRIC	14CV	AR1064	50BAR	105L/MIN
DVD0202-00002	600L	CS	HONDA GX270	MANUAL	9CV	AR813	50BAR	72L/MIN
DVD0202-00006	600L	CS	KOHLER PRO CH395	ELECTRIC	9,5CV	AR813	50BAR	72L/MIN
DVD0202-00005	600L	CS	B & S XR1450	MANUAL	10CV	AR503	40BAR	54L/MIN
DVD0202-00003	600L	CS	HONDA GX390	MANUAL	13CV	AR1064	50BAR	105L/MIN
DVD0202-00007	600L	CS	KOHLER PRO CH440	ELECTRIC	14CV	AR1064	50BAR	105L/MIN
DVD0201-00002	600L	CD	HONDA GX270	MANUAL	9CV	AR813	50BAR	72L/MIN
DVD0201-00006	600L	CD	KOHLER PRO CH395	ELECTRIC	9,5CV	AR813	50BAR	72L/MIN
DVD0201-00005	600L	CD	B & S XR1450	MANUAL	10CV	AR503	40BAR	54L/MIN
DVD0201-00004	600L	CD	HONDA GX390	MANUAL	13CV	AR1064	50BAR	105L/MIN
DVD0201-00007	600L	CD	KOHLER PRO CH440	ELECTRIC	14CV	AR1064	50BAR	105L/MIN

9.2. Diesel engines

REFERENCE	CAPACITY	TANK	ENGINE	STAR	POWER	PUMP	MAX. PRESS.	MAX. FLOW
DVD0201-00015	450L	T	KOHLER PRO CH395	ELECTRIC	9CV	AR813	50BAR	72L/MIN
DVD0201-00017	450L	T	KOHLER PRO CH440	ELECTRIC	13CV	AR1064	50BAR	105L/MIN
DVD0202-00011	600L	CS	KOHLER PRO CH395	ELECTRIC	9CV	AR813	50BAR	72L/MIN
DVD0202-00013	600L	CS	KOHLER PRO CH440	ELECTRIC	13CV	AR1064	50BAR	105L/MIN
DVD0203-00011	600L	CD	KOHLER PRO CH395	ELECTRIC	9CV	AR813	50BAR	72L/MIN
DVD0203-00013	600L	CD	KOHLER PRO CH440	ELECTRIC	13CV	AR1064	50BAR	105L/MIN

9.3. Foam kit

REFERENCE	PRODUCT	MODEL
DVD0201-00015	FOAM NOZZLE	PVB AV785
DVD5412-00000	FOAM INDUCTOR KIT	EASY FOAM 36

*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.

*B & G: Briggs & Stratton



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

