





COMPANY ROOTS

Vallfirest Tecnologías Forestales SL was established in 2007 as a result of the experience gained in extinguishing wildland fires around the world. Vallfirest started business activity selling one of our flagship products that would change forever the way to fight against forest fires, the multifunctional tool Gorgui V1. Since 2007 Vallfirest has developed more than 20 new exclusive products to wildland firefighting. The company is focused on continuous innovation based on experience, on changes and on lessons learned.

PRESENT CONDITIONS

The world of forest fires is constantly changing. A new type of fire has been seen in recent years, a new generation of fires that exceed the capacity of all extinguishing systems due to their intensity and magnitude. One of the main causes is the gradual rural depopulation due to cultural changes involving land use which constantly propitiates an accumulation of forest fuel in the woods. This effect, together with the climate change, generates these new fires of greater intensity and speed. The result is that fires are affecting more inhabited or industrial areas all the time because these populated areas are close to forest areas. These types of fires are being seen in our Mediterranean climate as well as in other populated areas of the planet like California, south-west Australia, southern Chile and southern Africa. However, due to climate change, new countries in northern Europe are starting to have problems with these forest fires and their forest areas.

NUESTRA MISION

Equipping forest fire-fighting sector professionals with the best tools and protection equipment. Innovating with the design of solutions that offer professionals better safety, better ergonomics and more efficacy. Continuously improving tools based on professionals real needs and the new technologies .

Our goal is to be the leading company in the European market and an international reference in the design and development of professional equipment and tools to fight forest fires, based on essential values in the sector such as safety, efficacy and ergonomics. The research we have carried out has led us to optimal solutions for forest firefighters and products that can be offered at affordable prices for organizations that need them in addition to equipping the people who do this hard work.

At Vallfirest, we're committed to listening and continue working to offer you the equipment of the future.

“THE FUTURE GEAR”

VALLFIREST PRODUCTS

FIREFIGHTING GEAR

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Vallfirest Tecnologías Forestales SL
 C/ Vella 21-27 Local 2, 08741 Vallgorguina (Barcelona) España
 www.vallfirest.com - info@vallfirest.com
 T. 938 678 779 - F. 937 070 990



Wildland Fire Helmet VF1 designed so as to meet the needs of crews taking action in forest fires. The main advantages are ergonomics and versatility with multitude of accessories. Designed to provide a high level of protection and a modern differentiated aesthetic image. It's provided with ventilation, visor and great lateral protection.



STANDARD: EN 16471, EN 16473, EN 397, EN 443, EN 12492
 Sizes: 27 x 24,5 x 19,3 cm
 WEIGHT: 750 g

SHELL
 Made in PC/ABS, Polycarbonate/Acrylonitrile Butadiene Styrene
 The lengthwise crown and the visors offers greatest protection from impact.
 Color integrated in mixture, no paint.
 Colors: Yellow, Green, Blue, Orange, Red and White
 Reflector Stickers Colors: Yellow or Silver gray



HARNESS
 6 support points
 Size regulation by wheel
 Ergonomic screen fabric
 Cushioned and transpirable fabrics



CHIN STRAP
 Made in fire-resistant fabric.
 6 adjustment and regulation points
 1. Neck adjustment
 2. Ear height adjustment
 3. Height adjustment
 4. Chin accessory sliding and removable
 5. Chin adjustment



COMPATIBILITY FOR ACCESSORIES
 Anchorage system for glasses, tweezers for front light system, anchorage for lantern, anchorage system for folding screen, it can be used together with ear protectors, anchorage system for neck protectors, anchorage system for radio and video systems



The Life time is 5 years of real use after date of manufacture
 Helmet and optional accessories come with a 2 year guarantee

Wildland Fire Helmet VF2 designed so as to meet the needs of crews taking action in forest fires. The main advantages are ergonomics and versatility with multitude of accessories. Designed to provide a high level of protection and a modern differentiated aesthetic image.



STANDARD: EN 16471, EN 16473, EN 12492, EN 397, EN 443
 Sizes: 29,5 x 26,5 x 16,4 cm
 WEIGHT: 700 g

SHELL
 Made in PC/ABS, Polycarbonate/Acrylonitrile Butadiene Styrene
 The lengthwise crown and the visors offers greatest protection from impact.
 Color integrated in mixture, no paint.
 Colors: Yellow, Green, Blue, Orange, Red and White
 Reflector Stickers Colors: Yellow or Silver gray



HARNESS
 6 support points
 Size regulation by wheel
 Ergonomic screen fabric
 Cushioned and transpirable fabrics



CHIN STRAP
 Made in fire-resistant fabric.
 6 adjustment and regulation points
 1. Neck adjustment
 2. Ear height adjustment
 3. Height adjustment
 4. Chin accessory sliding and removable
 5. Chin adjustment



COMPATIBILITY FOR ACCESSORIES
 Anchorage system for glasses, tweezers for front light system, anchorage for lantern, anchorage system for folding screen, it can be used together with ear protectors, anchorage system for neck protectors, anchorage system for radio and video systems



The Life time is 5 years of real use after date of manufacture
 Helmet and optional accessories come with a 2 year guarantee

FIREFIGHTING GEAR

FIREFIGHTING GEAR



Wildland Fire Helmet VF3 is designed so as to meet the needs of crews taking action in forest fires. The main advantages are ergonomics and versatility with multitude of accessories. Designed to provide a high level of protection and a modern differentiated aesthetic image.



STANDARD: EN 16471, EN 16473, EN 12492, EN 397, EN 443, and NFPA 1977/2016

Sizes: 27,7 x 24,5 x 16,4 cm
WEIGHT: 650 g

SHELL

Made in PC/ABS, Polycarbonate/Acrylonitrile Butadiene Styrene
The lengthwise crown and the visors offers greatest protection from impact.
Color integrated in mixture, no paint.
Colors: Yellow, Green, Blue, Orange, Red, White and Black
Reflector Stickers Colors: Yellow or Silver gray



HARNESS

6 support points
Size regulation by wheel
Ergonomic screen fabric
Cushioned and transpirable fabrics



CHIN STRAP

Made in fire-resistant fabric.
6 adjustment and regulation points
1. Neck adjustment
2. Ear height adjustment
3. Height adjustment
4. Chin accessory sliding and removable
5. Chin adjustment



COMPATIBILITY FOR ACCESSORIES

Anchorage system for glasses, tweezers for front light system, anchorage for lantern, anchorage system for folding screen, it can be used together with ear protectors, anchorage system for neck protectors, anchorage system for radio and video systems



Flashlights



Headlights



Goggles



Neck Shield



PC short screen



PC long screen



Chainsaw kit

The Life time is 5 years of real use after date of manufacture
Helmet and optional accessories come with a 2 year guarantee

FIREFIGHTING GEAR

FIREFIGHTING GEAR



The VF Goggles 1 are designed in compact molding and offers protection against: UV Radiations EN 170 ref., Medium energy impact/High speed particles at extremes of temperature, Droplets and splashes of liquids, Large dust particles, Surface damage by fine particles - EN 166 ref.



Weight 120 gr | Angle of View 220° | Ocular length 17.5 cm | Size 22 x 9 cm

Standard References: UNI EN 166:2004 UNI EN 170:2003

1. Double polycarbonate lens ballistic protection.
Anti-fog treatment inside and anti-scratch coating outside.
 2. Elastic band with rapid lateral unlocking mechanisms.
 3. Soft foam band closely adhesive to your face to protect you from coarse powder and molten metals. Antiallergenic foam band adhesive to your face.
- All the materials of these glasses are fire retardant (elastic band, frame, lens, etc.)



FRAME

Material - Flame resistant rubber (Acetate and Polycarbonate)

Colour - Black

Head-band - Single Black standar fabric strap height 25 mm

Marking: VF EN 166 3 4 5 9 **BT 2C-3 0068 CE**

OCULARS

Code: 042080/A1.6

Material: PC clear + AC clear

Treatment: AS + AF

Thickness: 2.8+0.5

Optical Class: 1

Marking: 2C-1.2 VF 1 BT 9 K N 0068 CE



This new fire protection Mask Vallfirest protects the face from radiation, helps to prevent burns and reduce smoke and ash particles inhalation, due to its particle filter inserted inside the mask.

The fire protection Mask Vallfirest incorporates an activated carbon filter and is equipped with exhalation valve and high-visibility reflective strips all over the item.

The Vallfirest Mask for personal fire protection can be put on without the need to take off the helmet, as it has a double Velcro system in case of its usage. When it is not needed it can also be hung on firefighter's neck when it is not being used.



Certification: EN 13688, EN ISO 11612/08, EN 15614/07
 Composition of material: 64% Lenzing F.R 30% Conex, 5% Twaron y 1% Antistatic
 Colour: Yellow
 Weight: 120 gr
 Interchangeable Filter: EN 149:2001 FFP1



This item is used to protect forest firefighter's neck from high temperatures and flames.

The neck shield of firefighter clothes is made of a single piece material (64% Lenzing F.R 30% Conex, 5% Twaron y 1% Antistatic, 260gr/m2) and fitted with a central fastener by way of two self-adhesive strips; its upper part has six fixing points bay way of self-adhesive strips for helmet.



Sizes: Length 34 cm; Width 75 cm
 6 fixing points
 Double velcro for front protection



Standard: EN 13688, EN ISO 11612/08, EN 15614/07

FIREFIGHTING GEAR

FIREFIGHTING GEAR



Fire-resistant firefighting jacket EN 15614 with double front layer and sleeves for high protection with direct attack and friction, individual back layer for better breatheability.

THERMAL AND RADIATION INSULATION

Fabric based on CONEX, TWARON and VISCOSA FR fibres, for perfect thermal and radiation insulation for the user. Raised neck at the back for nape protection. Two high-visibility reflective bands across the back.

RESISTANCE

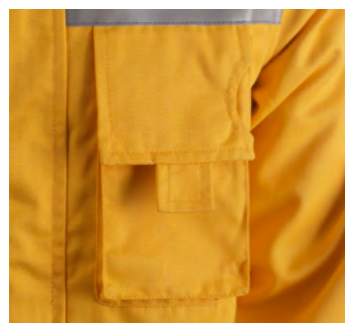
NOMEX seams and special resistance to friction and wear inherent to a forest setting. Adjustable wrists with fire-resistant Velcro. Four front pockets with easy opening for gloves, one of them adapted to portable radios, Velcro for identification on the chest.



TECHNICAL FEATURES

Composition of material: 64% Lenzing F.R 30% Conex, 5% Twaron and 1% Antistatic
Grammage: 270 g/m2.
Standards of fabric: EN 15614:2007, EN ISO 15025:A1 y A2, EN ISO 6942 Clase 1, ISO 17493:200, EN 1149-3 Part 3.

Standards of product: EN 340/03, EN 531/96 + A1/98, EN 15614/07



RADIO CARRYING POCKET

Radio carrying pocket. Attachment ring for radio holster at shoulder height.



POCKET DRAWSTRINGS

Oversized pocket drawstrings for use with gloves.



ATTACHMENT SYSTEM

Attachment system for the mask at the neck with double Velcro. Adjustable neck-covering flap

Fire-resistant firefighting pants for forest firefighters with wide design to facilitate freedom in movement.

GREATER PROTECTION

Double layer on front side for greater protection against radiation with direct attack and protection from friction. Individual layer on the back side for greater breatheability.

SIX POCKETS

Double pocket on the sides of knees with flap, two French-style front pockets, and two back pockets.

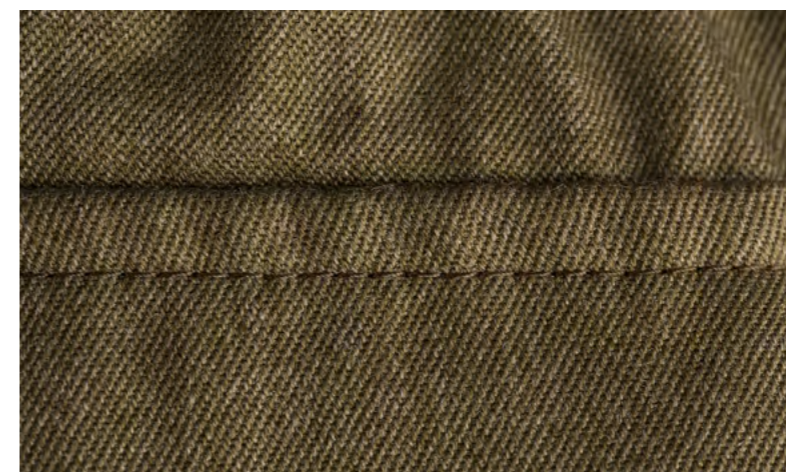
The cloth straps are about 40 mm. wide, made of double fabric. Stitched and reinforced by stitching at the top formed by front and rear parts. Front button and zipper closure. It has six pins that allow you to insert the belt of 40 mm. wide.



TECHNICAL FEATURES

Fabric based on Viscose FR 64%, Conex 30%, Twaron 5% ± 3, Antiestatic Fiber 1%, for perfect thermal and radiation insulation for the user. Special resistance to friction and wear inherent to a forest setting

Standards: EN 531/9.1, EN 470-95, EN 1149/1-96, EN 1149/3-04, ISO15384/03, EN 340/03



FIREFIGHTING GEAR

FIREFIGHTING GEAR



VF STANDARD SHELTER

The VF Standard Shelter belongs to the family of so-called fire-resistant blankets, which provide protection from direct flame reflecting the radiation heat.

The new VF Standard Shelter designed by Vallfirest combines a range of basic characteristics which make it different from the traditional Fire Shelter II. The new mix of materials provides an important improvement in isolation performance (see the graph), while the new ergonomic design based on fetal position allows to reduce significantly the weight and the volume, this way making it easier to transport and to unfold.

WEIGHT: 1.45 kg
MATERIAL: ALUMINIUM/FIBERGLASS/TEXTAR

Standar CE
UNE - EN ISO9151:1995
UNE - EN ISO11612:2010
UNE - EN ISO6942:2002
Levels: A1, B1, C4

EXTENDED SIZES
Length 120 cm; Width 60 cm; Height 60cm
Protection in fetal position



FOLDED SIZES
Length 32 cm
Width 21 cm
Thickness 6.5 cm



Designed to be carried in the Vallfirest extinguisher backpack pocket .

It can be carried on Truenorth Backpacks, it reduces the weight and improves the center of gravity. It supports in Fireball, Firefly and Spitfire backpacks.



VF EXTREM SHELTER

The VF Extrem Shelter belongs to the family of so-called fire-resistant blankets, which provide protection from direct flame reflecting the radiation heat.

The new VF Extrem Shelter designed by Vallfirest combines a range of basic characteristics which make it different from the traditional Fire Shelter II. The new mix of materials provides an important improvement in isolation performance (see the graph), while the new ergonomic design based on fetal position allows to reduce significantly the weight and the volume, this way making it easier to transport and to unfold.

WEIGHT: 1.45 kg
MATERIAL: ALUMINIUM/FIBERGLASS/TEXTAR

Standar CE
UNE - EN ISO9151:1995
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Levels: A1, B1, C4

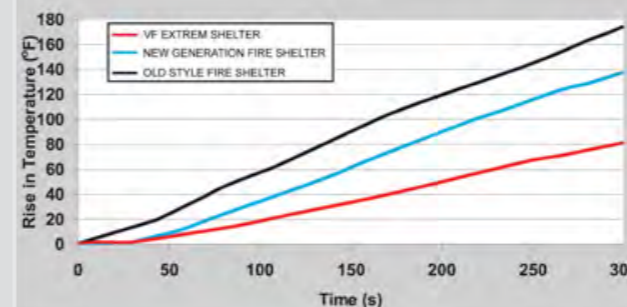
EXTENDED SIZES
Length 120 cm; Width 60 cm; Height 60cm
Protection in fetal position



FOLDED SIZES
Length 39 cm
Width 17 cm
Thickness 6 cm

PERFORMANCE IN RADIANT HEAT

Internal Temperatures in Full-Scale Radiant Heat Tests



MATERIAL: ALUMINIUM/FIBERGLASS/TEXTAR



IT BELONG TO TWO SHELTERS (STANDARD AND EXTREM)



To carry in Extrem pack. Removable without take off the backpack.



Vallfirest has developed VF Extrem Air System, a new self-protection equipment against forest fires. This product provides you with the clean cool air necessary during self-protection maneuvers, reducing intoxication and respiratory burns.

This equipment can be used either in combination with VF Extrem Shelter, inside the vehicles, when performing self-protection maneuvers, or outside, helping to prevent breathing in large quantity of smoke at some precise moments of fire. The second phase works on demand. The equipment was dimensioned keeping in mind the minimal time necessary in the extreme situation. You are guaranteed 4 minutes of air in case you are trapped (in fetal position inside the VF Extrem Shelter)

System provided with regulator and the second phase in the hose of 1 meter which allows you to have your hands free during its use.

Total weight of the equipment: 1,75 kg
 Length of hose: 1 meter
 Sizes: height 29 cm; diameter 9 cm
 Quantity of air: 90 Liters
 Duration: 4 minutes
 Pressure: operational 300 bar; collapsing 450 bar
 Materials: Cylinder made of Aluminum AA6061 T6
 Case made of cordura with Alice clip system
 Standard: UNE EN 1802 MIE AP 18.



1. First stage, 2. Second stage, 3. Open valve



To carry in Extrem pack.
 Usable without take off from backpack belt



1 year guarantee. Must do an annual visual check and inspection of the valve.

VF Extrem kit is a complete self-protection equipment designed as one to have an opportunity in a critical emergency situation trapped by wildfire



VF EXTREM SHELTER + VF EXTREM PACK + VF EXTREM AIR SYSTEM

VF EXTREM PACK
 Weight 1.25 kg
 Harness sizes (S-M) y (L-XL)
 Hydration system 1.5 Litros

VF EXTREM SHELTER
 Weight: 1,35 kg
 EN ISO9151:1995; EN ISO11612:2010
 EN ISO6942:2002; Levels: A1, B1, C4
 Folded size: 39 x 17 x 6 cm

VF EXTREM AIR SYSTEM
 Weight: 1,75 kg
 Hose long: 1 meter
 Sizes: height 29 cm; Diámetro 9 cm
 Time: 4 minutes
 Certification: UNE EN 1802 MIE AP 18.

Complete kit weight: 4.35 Kg



The VF Extrem Pack with ergonomic and breathable harness distributes the different elements and weight in optimum fashion on the firefighter's torso, allowing for free, agile movement. The belt has a 1.5 liter hydration bladder, all while allowing for personal self-adjustment of accessories or pockets with Alice clip system. (Find page 20)

The VF Extrem Shelter combines a new mix of materials that provides an important improvement in isolation performance, while the new ergonomic design based on fetal position allows to reduce significantly the weight and the volume.

The VF Extrem Air System is dimensioned keeping in mind the minimal time necessary in a extreme situation. You are guaranteed 4 minutes of air in case you are trapped (in fetal position inside the VF Extrem Shelter)

FIREFIGHTING GEAR

FIREFIGHTING GEAR

The Extrem Pack is a new forest-fighting backpack concept, developed to improve ergonomics and safety of forest firefighters.

The new ergonomic and breathable harness distributes the different elements and weight in optimum fashion on the firefighter's torso, allowing for free, agile movement. The belt has a 1.5 liter hydration bladder, all while allowing for personal self-adjustment of accessories or pockets with Alice clip system.



Weight 1.25 kg - Harness Sizes (S-M) and (L-XL)
 Colors: Orange, Black and Grey
 Grey-silver reflective bands
 FDA-approved tank, PVC and BPA-free
 Materials: Cordura 1000 and Mesh



ERGONOMIC AND BREATHABLE HARNESS



HYDRATION INTEGRATED ON BELT



HYDRAPACK SYSTEM 1.5 L

Includes: Ergonomic Harness, Extrem shelter case, Configurable belt, Hydrapack system, personal pouch and two accessory pocket. 2 year guarantee

The Extrem Belt is a new forest-fighting backpack concept, developed to improve ergonomics and safety of forest firefighters.

Basic harness to carry radios and accessories. The belt has a 1.5 liter hydration bladder, all while allowing for personal self-adjustment of accessories or pockets with Alice clip system.



Weight 1.25 kg - Harness Sizes (S-M) and (L-XL)
 Colors: Orange, Black and Grey
 Grey-silver reflective bands
 FDA-approved tank, PVC and BPA-free
 Materials: Cordura 1000 and Mesh



PADDLED SHOULDER STRAPS



HYDRATION INTEGRATED ON BELT



HYDRAPACK SYSTEM 1.5 L

Includes: Shoulder straps, Configurable belt, Hydrapack system, personal pouch and two accessory pocket. 2 year guarantee

FIREFIGHTER BACKPACKS

FIREFIGHTER BACKPACKS



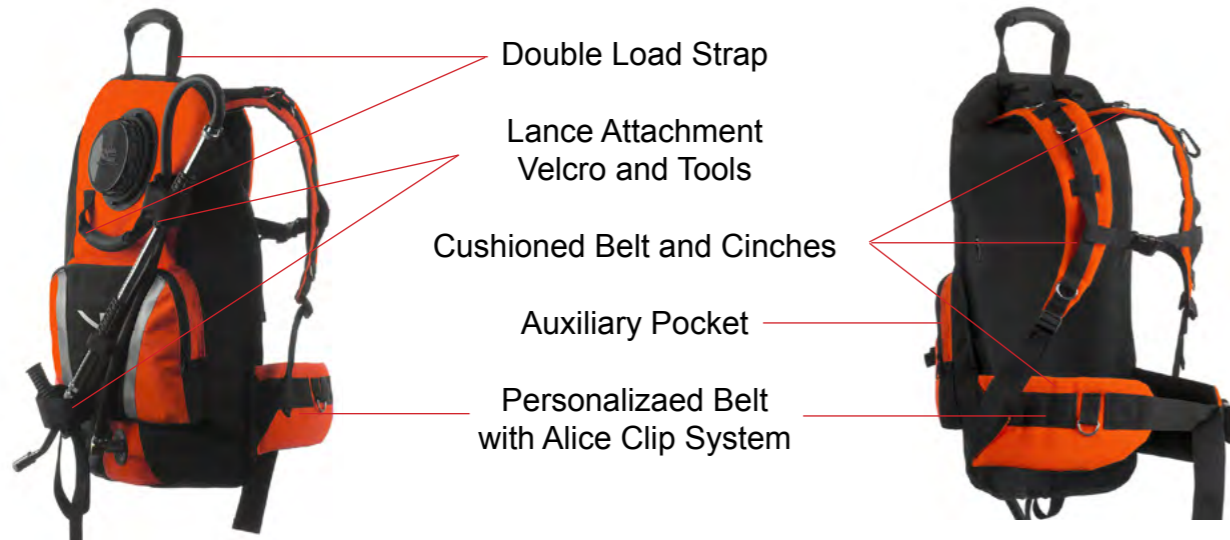
The ergonomic Vallfirest extinguisher backpack pump for forest firefighting is a step forward to the professional and ergonomic equipment. This equipment offers higher performance results and greater operational capacity of the firefighting crews, which work with backpacks and hand tools at the same time.

CAPACITY 20 Liters (5.4 Gal)
WEIGHT 2.54 kg
Pack Dimensions: 62 x 48 x 5 cm
Pack Weight: 1.48 Kg
Lance Length: 67 cm
Lance Weight: 1.06 Kg
Hose Length: 1 m

MATERIALS:
 Pack made in Flexible Cordura 1000
 Canvas Tank 100% Polyester H.T. 110 dtex
 UNE 53352 - UNE 53326
 UNE EN ISO 13934-1 UNE EN ISO 20645-05



FIREFIGHTER BACKPACKS



Double Load Strap

Lance Attachment
Velcro and Tools

Cushioned Belt and Cinches

Auxiliary Pocket

Personalizaed Belt
with Alice Clip System

Tank Filter



360° Coupling



Load Adjustment Straps

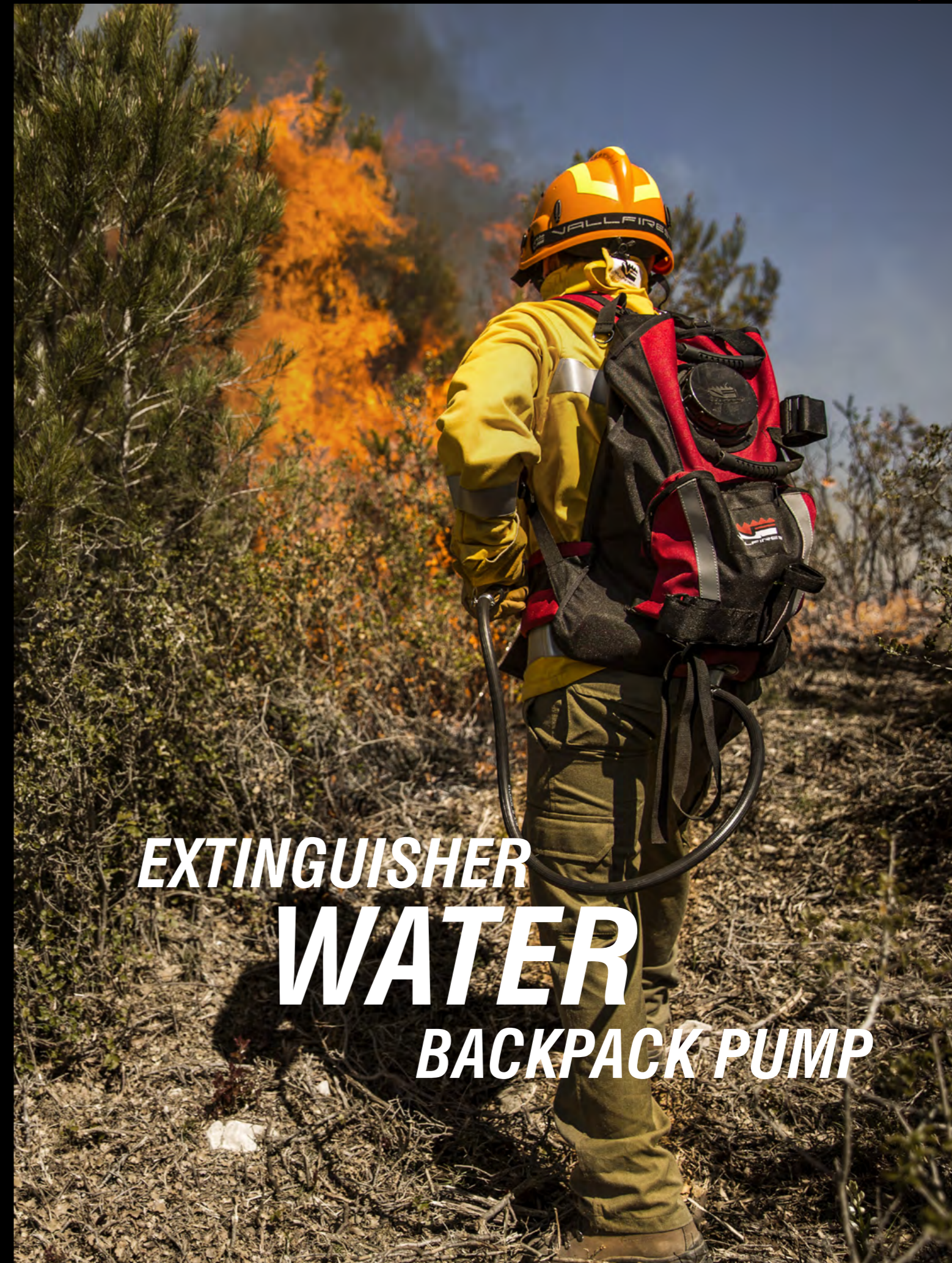


DOUBLE PISTON LANCE

Made in Brass plated
 Continous Spray
 8 Liters (2.1 gal) / Minute
 Empty / Spray Adjustment
 Up to 12 meters distance



1 year warranty



**EXTINGUISHER
 WATER
 BACKPACK PUMP**



Load-carrying backpack designed to help forest firefighter brigades in transporting hoses and other heavy loads, such as motor pumps, water tanks and other elements necessary to put out forest fires.

The padded harness and loading system, based on mountain-climbing backpack design, make this load-carrying backpack ergonomic and comfortable. It has a size adjustment system to regulate according to height. The padded, reinforced belt provides great comfort, absorbing 60% of the load.



The canvas backpack with a front opening and flap for closure makes it comfortable to load and unload hoses progressively. 4 simple, double or skein-rolled hoses may be rolled, secured with the 4 exterior straps. With the backpack closed, other types of loads may be carried, such as clothing, helmets, etc. The pack may be removed, leaving the structure free to carry other elements, such as motor pumps and water tanks.



- Padded protection
- Strap to help with the load
- 5-size adjustment system
- Breathable back with lumbar support
- Padded belt and cinches
- Customizable belt with Alice Clip system
- High-visibility reflectors

TECHNICAL CHARACTERISTICS

WEIGHT 3.5 kg
 Height: 64 cm
 Width: 35 cm
 Platform depth: 28.5 cm
 Bag for 4 hoses

MATERIALS:

Aluminum alloy structure
 Cordura 1000 Harness
 With polyester reinforcements
 Canvas bag
 Nylon straps for securing

The new fire swatter developed by Vallfirest is a different concept from other fire swatters. It has systems to overcome current limits, giving priority to safety and ergonomics both for use and for transportation. The most noteworthy difference is the telescopic handle, which can be reduced to 92 cm for transportation and used to adapt the height of the tool up to 2 m, depending on needs according to the situation and the operator (in wooded areas or for operators that are taller or shorter).

TECHNICAL FEATURES

- Manufactured with Aluminum, Nylon and anti-abrasive compound fabric
- WEIGHT: 1.6 kg
- Telescopic handle with attachment system for any size/length
- Flexible bar that absorbs impact when touching the ground. Prevents overloading hands
- Folding and blockage system with 45° angle. More efficiency with less effort
- Case for hanging transportation.



FOLDED LENGTH: 92 CM
 MAXIMUM LENGTH: 2 METERS

The 45° angle in working mode facilitates impact against the ground, using physical work in a more efficient way. This gives the worker better performance, greater comfort and less wear in directly attacking forest fires.

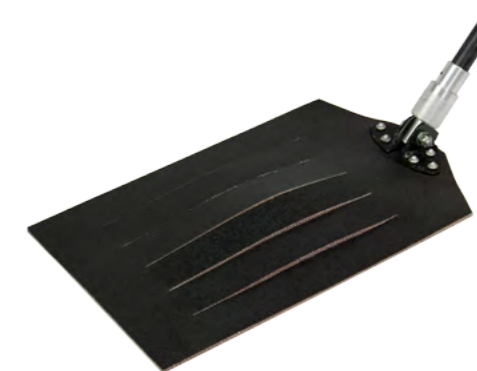
The material that joins the handle with the work blade is slightly flexible, providing more power for later impact, helping to decrease effort in movement and buffering excess force, thereby avoiding impact to the user's arms and hands.

The head has a blockage and turning system to fold the work blade, and it remains adhered to the handle, reducing the tool's volume when being transported. It remains at 92 cm for transportation, either heliborne or carried out a backpack, leaving the user's hands free.

The design of the attack blades with slits make the textile surface more adaptable to irregularities in the terrain, providing for more effective work.



Folding system for transportation



Adapts to irregularities in the terrain



Textile material transportation case

The multifunctional tool GORGUI CLASSIC is designed exclusively for forest fire fighting. It was designed basing on the experience and needs of the most advanced firefighting crews in hand tools. Its main feature is versatility on all kinds of grounds, due to combination of the most widely used tools in forest fire extinction in one multifunctional cutting blade, so that you don't have to transport different kinds of tools. Gorgui Classic is an all-in-one tool combining several wildland tools necessary for fire lines: Chopping, Grubbing, Digging, Raking, Scarping, Cutting Grass, Small Brush or Sapling. WEIGHT 2.16 kg

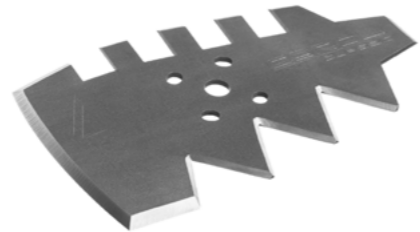


The GORGUI CLASSIC design has an international registration. No DM/085 542
This tool is exclusively made by Vallfirest Tecnologías Forestales s.l

HEAD

Made in HARDOX 500 Steel
Hardox 500 is an abrasion resistant steel with a nominal hardness of 500 HBW.
The smooth curve and the cutting angles are optimized to ease work and get high performance.

Thickness: 4mm
Sizes: 268 x 158 mm
Resistance Rm N/mm²: 1400
Yield point Re N/mm: 1200
Hardness HBW: 470-530
WEIGHT: 800 g



HANDLE

Made in Eucalipto's wood. Designed with diferents diameters to improve the ergonomics using each tool. The handle is attached to the head with a screw and four points that locks rotation. The mcleod handle is also comatible with Gorgui Classic.

Length: 1.25 meters | WEIGHT: 1.36 kg
Biggest diameter of handle: 31mm



The multifunctional tool GORGUI CLASSIC is designed exclusively for forest fire fighting. It was designed basing on the experience and needs of the most advanced firefighting crews in hand tools. Its main feature is versatility on all kinds of grounds, due to combination of the most widely used tools in forest fire extinction in one multifunctional tool, so that you don't have to transport different kinds of tools. Gorgui Classic is an all-in-one tool combining several wildland tools necessary for fire lines: Chopping, Grubbing, Digging, Raking, Scarping, Cutting Grass, Small Brush or Sapling. WEIGHT 2.16 kg



The GORGUI V2 is patented and exclusively made by Vallfirest Tecnologías Forestales s.l

HEAD AND CUTTING BLADES

The Head is made in duralumin (aluminium and titanium) and is anodized.
The function is to couple the handle and the different cutting blades.
It allows the blades are replaced when there's any broken or worn.
The cutting blades are made in HARDOX 500 Steel
Hardox 500 is an abrasion resistant steel with a nominal hardness of 500 HBW.
The cutting angles are optimized to ease work and get high performance.

HANDLE

Made in Eucalipto's wood. Designed with diferents diameters to improve the ergonomics using each tool. The handle is attached to the head by pressure and fixed by a dowel pin.

Cutting blades thickness: 4mm
Sizes: 335 x 185 mm
Resistance Rm N/mm²: 1400
Yield point Re N/mm: 1200
Hardness HBW: 470-530
Length: 1.25 meters
Biggest diameter of handle: 31mm



TOOLS

TOOLS



1 L Fuel Drip torch manufactured by Vallfirest is a tool for fighting forest fires and is designed to carry out fast maneuvers with technical fire, like backfire or escape fire. This hand tool for fighting forest fires is ideal for the crews transported by helicopter, as they can carry the torch in the lateral pockets of their fire packs, as well as for fire controlling and analyzing vehicles. This is a tool for fighting forest fires necessary for carrying out indirect attack maneuvers: backfire, escape fire, self-protection fire and fire to create safety zones for keeping the equipment.

Weight 460 gr with handle | 340 gr without handle
Transportable in pack belts

IGNITER

ANTI-RETURN VALVE

ASYMMETRIC LID

VOLUME FLOW REGULATING VALVE

TANK APPROVED FOR FUEL



It has a deposit approved for fuel transportation and, also, includes different safety systems, such as a non-return valve inside the stopper and a flow control valve. The asymmetrical double-coiled stopper is the element that provides compactness of the tool. This is definitely a great tool for fighting forest fires from the point of view of its operating capacity, transportation and potential of performances, different from such systems as lighters or Bengal fires



1 LITER COMPACT DRIP TORCH



These multifunctional fire extinction Kits are designed for pickup vehicles. They fit all makes and models. The Kit measurements are universal. Easy assembly.



TECHNICAL FEATURES

- Honda GX 270 9HP Engine.
- High-pressure 4-membranes pump with 40 bar pressure, 60 l / min.
- Quick-attack winder with 50 meters rubber hose to 80 bar.
- Shutoff T-form valve for tank or pond absorption.
- Pressure controller with a barometer and shutoff valve.
- T-form 450 liters tank, made of 2 mm INOX, with two breakwalls inside.
- Color to be indicated or INOX color.
- High pressure nozzle with jet or vain flow functions.
- 5 m protective absorption hose.
- Upper loading nozzle for feed vehicles.
- Weight: 157 Kg.



"A 16 bar centrifugal pump for a flow of 248 l / min. and quick-attack winder for a 50 m hose with diameter of 25 mm can be installed".

The tanks are made to order and adapted to your pick-up and towing vehicles

These vehicles are even more effective because of the tool carrying structure accompanying the motor pump kits with hand tool, drip torches, chainsaws, waterpacks, firefighting backpacks, etc. Everything is well-organized, in the equipment box and on the equipment carrying tray.



TECHNICAL FEATURES

- Basic Roll Bar structure. The maximum dimensions are those of vehicle`s chassis. (It doesn`t exceed neither the height nor the width)
- Epis box with two side doors and locks, made of INOX 2 mm.
- Equipment carrying tray made of aluminum with railing and anti-slip inlay.
- Dynamic upper tools structure made of INOX in accordance with the measurements of the equipment.
- Weight: 72 Kg.



PUMPS AND EQUIPMENTS

PUMPS AND EQUIPMENTS



If trapped in a forest fire, the possibilities of surviving the thermal shock of the fire depend on the safety protocols carried out and the equipment available.

At Vallfirest, we've developed a fireproof blanket kit which is adaptable to light vehicles and trucks used for fire extinguishing. The purpose of this product is to provide thermal insulation inside cabins while trapped.

It is most highly effective with external sprinkler systems to prevent window glass from being destroyed (see page 31) and the use of assisted breathing devices inside the vehicles (see page 18).

The blanket kits are designed and custom-created for each vehicle model. They are easy to assemble and can be moved from one vehicle to another in the event of substitution.



TECHNICAL FEATURES

Three Layer Blankets:

Exterior Layer: Aluminum

Middle Layer: Fiberglass

Interior Layer: TECSTAR

Thermal shock > 300°C

Ignition at 435°C in 100% O₂

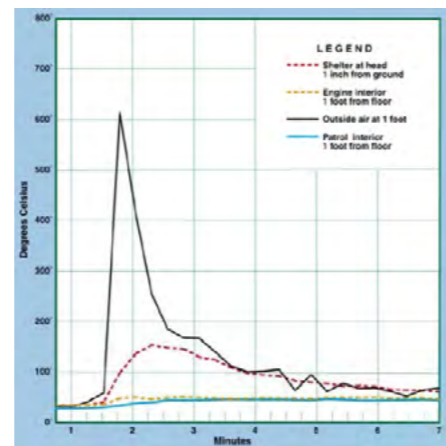
Max. continuous operating temperature 260°C

CE Standards (Levels: A1, B1, C4)

UNE - EN ISO9151:1995

UNE - EN ISO11612:2010

UNE - EN ISO6942:2002



This model's water drops are lightweight and their diameter is smaller in order to reach greater heat absorption.

When the water passes through the coupling and the stainless steel cylinder, it hits against the frontal cycloid-shaped shield, so that the small slot between the cylinder and the shield allows the stream to be thrown out, making a protective shade of water.

The volume of water thrown out and the formation of the shade of water depend directly on the water pressure. In this case, as we are working with high-pressure and low-consumption nozzle, the optimum working pressure is between 20 and 22 bar under the consumption of 120 l/m.

Material: Stainless steel
 Dimensions : 10 x 12 x 20 cm.
 Weight: 900 gr
 Coupling: Barcelona (s") male thread UNE 23.400 (aluminum).
 Filter: Brass 3/4 with stainless steel mesh.
 Guarantee: 5 years.



Cycloid-shaped shield: diameter of 25, maximum working pressure up to 35 bar.

Coupling Barcelona according to UNE 23400.

Y-shaped particle filter with stainless steel mesh.

Semicircular yellow reflecting sticker of high visibility.

Instructions for use:

The nozzle should be connected to a hose and placed on a flat ground.

It should work under the range of pressure as indicated above.

The water is thrown out making up a half-moon-shaped shade of water.

Optimal conditions of use:

Working Pressure: 20-22 Bar

Hose: 10-20 m of 25 mm connector Barcelona UNE 23.400

Consumption: 120 l / m

Screen width: 11m

Screen height: 4 m

* in these conditions screen dimensions, liters per minute and optimal drop size for added protection and heat absorption in self-defense maneuver given

PUMPS AND EQUIPMENTS

PUMPS AND EQUIPMENTS



HELITRANSPORTABLE TRAILER FOR REMOTE MANEUVRING

The Helikit VF is a helitransportable trailer which is accesible via forest trails and equipped with everything needed for forest fire work deep in the mountains and in difficult-to-access locations. It contains a dropdown central tank with the capacity for 1500 litres fed by a Bamby bucket from a helicopter as well as from a water tanker with hoses. It features a high-pressure Wick 4200 motor pump (up to 28 bar). Prior to the drop-down, the tank can be used to carry any material needed for operations such as hoses, tools, fuel, backup motor pumps, etc.

The trailer can be helitransported in full or just the "bucket" inside the trailer, leaving the base with the main motor pump unit and drawers on the ground. The second option is for small helicopters or remote areas with much smaller landing areas. All of the material needed and the portable motor pumps that offer the pressure in such case are helitransported in the same way inside the bucket.



TECHNICAL FEATURES

Trailer: 750 Kg (Class B driving license)
 Tank / water bag capacity: 1500 litres
 Deadweight of the complete kit: 560 Kg
 Bucket weight: 220 Kg
 Weight (base+ drawers + motor pump): 340 Kg
 Motor: Brigs stratos 23 HP
 Motor pump: Mercedes textile 4 phase FSP4200
 Pressure: 26 BAR
 Two 25 mm Barcelona output connections
 A drawer for material, fuel, etc.
 4 parking legs
 4 wheel brakes and a central trailer brake

HELICOPTER LOAD SYSTEM

A grabber comprised of:
 one oval triple ring 16/13 mm and 4 slings
 EAP-010 with 2.00 usable m
 Four 1 t self-locking hooks CMU
 0-45° 2.1t. Rotating connection per HM
 CA connector.
 With a 2t pin



POSSIBILITIES OF WORKING WITH THE HELIKIT

- 1) On the ground. When access with a motor pump truck by ground is difficult to impossible, the HELIKIT can be transported with a light vehicle closer to the fire since it is a trailer after first assessing how to feed in water.
- 2) By air. HELIKIT helitransport. Designed for use when a fire has entered the control phase. Once a fire is in the control phase to reduce the final extinction time.

OTHER OPERATIONS OR OPPORTUNITIES

This equipment and the maneuver is not just limited to remote areas or significant heights as it is effective in other situations as well, such as:

- To support BRIF helitransported units by putting the HELIKIT in strategic positions or at critical points (the bottoms of gullies, areas with secondary sources, perimeters which are not defined or simply tied using aerial resources) where 1500 litres are available to quickly drop waterlines or for safety reasons during night hours when aerial resources are not present.
- Intermediate use during long operations laying hoses by substituting motor pump tanker vehicles with the trailer as it can be used as a water tanker and is equipped for high-performance impulsion.

PUMPS AND EQUIPMENTS

PUMPS AND EQUIPMENTS

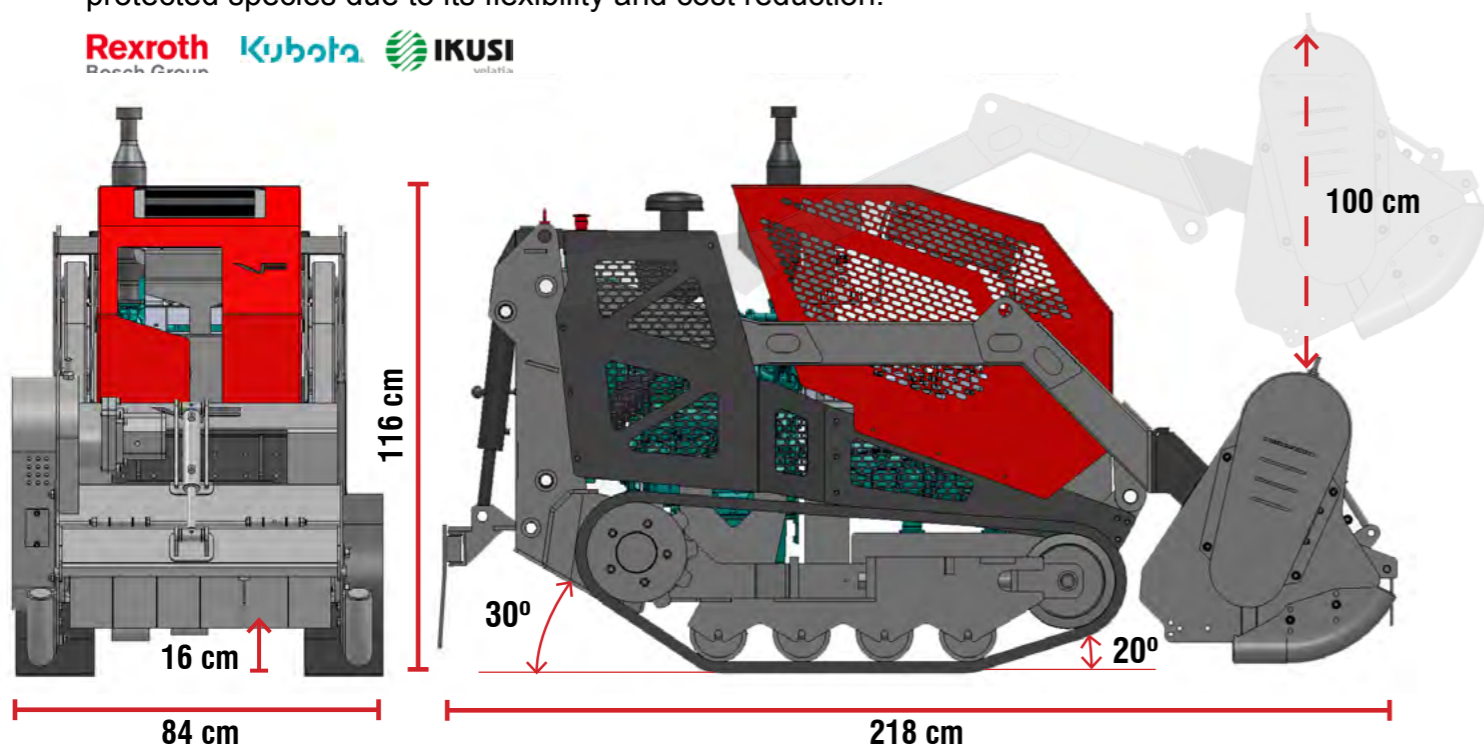




**DESIGNED FOR WILDLAND FIREFIGHTING
CREATING LINES**

**REMOTE OPERATION CONTROL
NUMEROUS APPLICATIONS
VF DRONSTER**

VF Dronster is a machine specially designed to perform indirect forest fire attacks. VF Dronster offers an opportunity for better forest management as far as cleaning forest, forest fire prevention, prescribed burns and wildland firefighting all while minimizing any harm to protected species due to its flexibility and cost reduction.



TECHNICAL FEATURES

ENGINE	KUBOTA / DIESEL 3 CILYNDERS 4 CYCLES 32.8 CV (24.5 HP)
FUEL TANK	12 LITERS - 3 HOURS
SPEED	0 - 5 KM/H
WEIGHT	1050 KG - 330 LB
CONTINUOUS TRUCK	BOSCH REXROTH RADIAL PISTON ENGINES / SYNTHETIC RUBBER REINFORCED BAND
REMOTE CONTROL	16 H DURATION RECHARGEABLE BATTERY UNTIL 150 M OPERATING DISTANCE
CPU	BODAS CONTROLLER RC SERIE 30 4 CAN PORT
STANDARD MONITORING	WORK HOUR TIMER / INCLINOMETER / LIQUID LEVELS / TEMPERATURE

The main aim of this machine is to increase security of those people who work with fire, improve their efficiency and give support to the manoeuvres of fire prevention and extinction, which nowadays are performed by means of hand tools and heavy equipment. VF Dronster allows to work rapidly, providing a higher productivity level, which ensures great efficiency of control over forest fires.

The great variety of terrain in this sector is a real challenge for any machine. VF Dronster is provided with dimensions adjusted to the needs of these terrains. It functions at inclination superior than 30°. It can work on 20° inclination angle of frontal attack and its 16 cm over the ground allows to get over such obstacles as stones, trunks and small steps.

TRANSPORTING | ACCESSIBILITY



PICKUP TRUCK | VAN | HELICOPTER

Allows to access those areas which are not conditioned for people, as well as to work in the majority of areas of difficult access.

MAIN TOOLS

FORESTRY HEAD WITH ROTARY HAMMER

LENGTH	80 CM
WEIGHT	155 KG
POWER	25 HP

TRANSMISIÓN POR CORREAS
OBERTURA FRONTAL REGULABLE DESDE EL MANDO
CADENAS DE PROTECCIÓN ANTI-PROYECCIONES
CAN ATTACK FUEL WITH A DIAMETER OF OVER 8 CM
WORKING ON FUELS 3, 4, 5, 6 AND 7 OF ROTHERMEL



LAND BLADE

For thick fuels of 10h, 100h and 1000h serves to put aside and drag the rests of the fuel, this way creating the line of defence.

OTHER TOOLS

VF Dronster is provided with a hydraulic platform with possibility to fix various tools according to the features and needs of the terrain, as for example snow blade, front loader bucket, sprayer, trencher, forks, etc. Also can be provided with a weather station, gps, cameras, etc.



FIREFIGHTING GEAR

- SCREENS
- HEARING PROTECTORS
- GOGGLES
- COVERALL
- GLOVES
- BOOTS



FIREFIGHTER BACKPACKS

- FIREFIGHTER BACKPACKS AND ACCESSORIES
- FRAME BACKPACKS
- HYDRATION SYSTEMS



TOOLS

- DRIP TORCHES
- HAND TOOLS
- CUTTING TOOLS



MOTOBOMBAS Y MAQUINARIA

- PUMPS
- HOSSES, COUPLING, NOZZLES
- FOAM
- TANKS
- SIDEINFO
- IGNITION SYSTEMs



ACCESSORIES

- INCIDENT COMAND SYSTEM
- WEATHER STATIONS
- GPS
- FLASHLIGHT AND HEADLAMPS
- FLASHLIGHT HOLDERS
- REMOTE AREA LIGHTS
- EMERGENCY FLARES AND SMOKE
- LEATHERMAN KNIVES
- CÁMERAS
- PUBLICATIONS



QUALITY POLICY

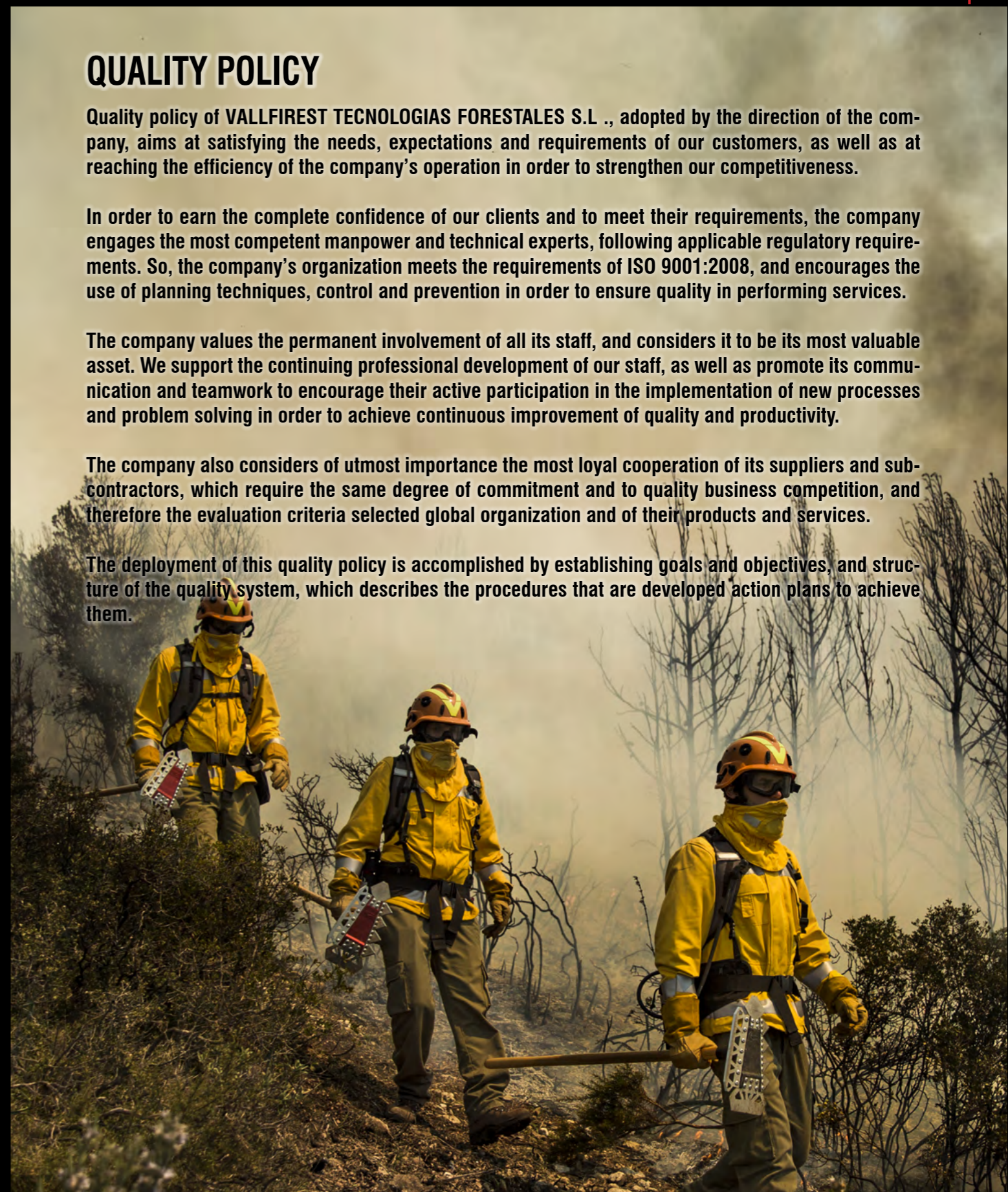
Quality policy of VALLFIREST TECNOLOGIAS FORESTALES S.L., adopted by the direction of the company, aims at satisfying the needs, expectations and requirements of our customers, as well as at reaching the efficiency of the company's operation in order to strengthen our competitiveness.

In order to earn the complete confidence of our clients and to meet their requirements, the company engages the most competent manpower and technical experts, following applicable regulatory requirements. So, the company's organization meets the requirements of ISO 9001:2008, and encourages the use of planning techniques, control and prevention in order to ensure quality in performing services.

The company values the permanent involvement of all its staff, and considers it to be its most valuable asset. We support the continuing professional development of our staff, as well as promote its communication and teamwork to encourage their active participation in the implementation of new processes and problem solving in order to achieve continuous improvement of quality and productivity.

The company also considers of utmost importance the most loyal cooperation of its suppliers and sub-contractors, which require the same degree of commitment and to quality business competition, and therefore the evaluation criteria selected global organization and of their products and services.

The deployment of this quality policy is accomplished by establishing goals and objectives, and structure of the quality system, which describes the procedures that are developed action plans to achieve them.



REDES SOCIALES



CERTIFICACIONES



Vallfirest Tecnologías Forestales SL
C/ Vella 21-27 Local 2, 08741 Vallgorguina (Barcelona) España
www.vallfirest.com - info@vallfirest.com
T. 938 678 779 - F. 937 070 990