



SNIPER I

lightweight hydraulic door-opener unit

technical data sheet

LIBERVIT
manufacturer



LIBERVIT
BLACKline

for Police & Gendarmerie
special forces

LIBERVIT
DÉFENSE

for military forces

From a general point of view, even the highest performance equipment will not by itself solution all the situations.

It does not completely cancel the risk encountered by the special units' users on an operation.

As a manufacturer we OWE to ourselves and to the users to give priority to quality, reliability, performance and innovations.

We will never be confronted to front line situations but you on the other hand are facing them daily in France or elsewhere around the world and sometime while using one of our tools.

It is at this very moment that our choice of components, raw material to manufacture the tools that you are using, at this very moment when you are about to give the "GO ahead" that the equipment must prove itself failproof!

Internationally, France benefits from a strong reputation in the fields of security at the operational knowhow level as much as in the equipment manufacturing.

At LIBERVIT, we are experienced technicians, our professional ethic is unwavering and above all we know and respect those using our products and because of this close relationship we have considered their insights and suggestions in the making of our tools.

We pride ourselves in manufacturing French. All the labelled equipment that you had, have or will have in your hands, are made in France with more than 90% of components and raw materials of French origin or from close European Union countries such as Germany, Norway and Italy.

Our 25 years in the design and manufacturing of hydraulic and mechanical tools with land and water applications for the army and police special forces, our seriousness, our professionalism, and our never ended search for innovations has made us a key player within these professional environments.

LIBERVIT is represented in over 60 countries through our specialized Distributors network offering commercial advice, demos, maintenance and after sale service.

All of the LIBERVIT team and myself are available to ensure that none of your question remains unanswered.

We wish you a pleasant read.

Yvan CARDONA, CEO

Quality & Reliability

LIBERVIT will provide, for a minimum of 10 years after delivery, any of its tools' spare parts.
All our equipments comply with CE standard.

Unless otherwise specified by us, our equipments are guaranteed for 3 years from the dispatch date. The guarantee covers construction defects as well as material flaws noted by our services.

Our organization, from engineering to customers' service is ISO 9001 certified. It guarantees a high quality, life-long performance and complete reliability of our tools and equipment.

All our tools undergo rigorous test & control before shipment.





LIBERVIT has been developing hydraulic extrication tools for many years used by rescue organisations such as Firebrigades and the Civil Defense.

In September 1999, on their request and in collaboration with the RAID, we started a study, following a specifications logbook, on a hydraulic tool prototype for breaching metal doors.

In December of the same year the prototype that was to become the DDDR-RAIDER, was delivered to the RAID.

Throughout the year 2000 important modifications were made to the prototype as it was tested during training sessions, but also during operations. From a technical point of view the tool is a complete success.

What we were far from imagining was that this tool was to become for LIBERVIT a key to a new activity. A new activity that is today not only a commercial success a necessity for any company but also it has given us the opportunity to develop a complete range of products for all the Police task forces, the gendarmerie and the Army, thanks to the many requests we received.

We are extremely proud to offer our customers high-performance tools giving them the possibility to carry out their missions in the best possible conditions; as the Firebrigade, Police, Gendarmerie or Armed Forces are constantly facing danger, we need to help them in guaranteeing the best result from our equipment.

Following, we present the SNIPER KIT I, a lightweight hydraulic door opener kit with the OP55, the smallest LIBERVIT hydraulic door opener connected to a portable B.A.S. superlight.

SNIPER I - lightweight door opener unit

The SNIPER I kit includes: a hydraulic power unit ref. B.A.S. superlight, a hydraulic hose LF2 (2m), a hydraulic door opener ref. OP55 and its transport bag ref. ST/OP55, a OP55 support adaptable on B.A.S. superlight power unit.

The OP55 hydraulic door opener ensures quick and silent opening of inward opening non-armoured doors, gates, shutters, sliding curtains and also outward by acting as a spreader.

The start contactor is used to deploy the door-opener*. On releasing the contactor, the tool stops and automatically retracts connected to a LIBERVIT hydraulic power unit.

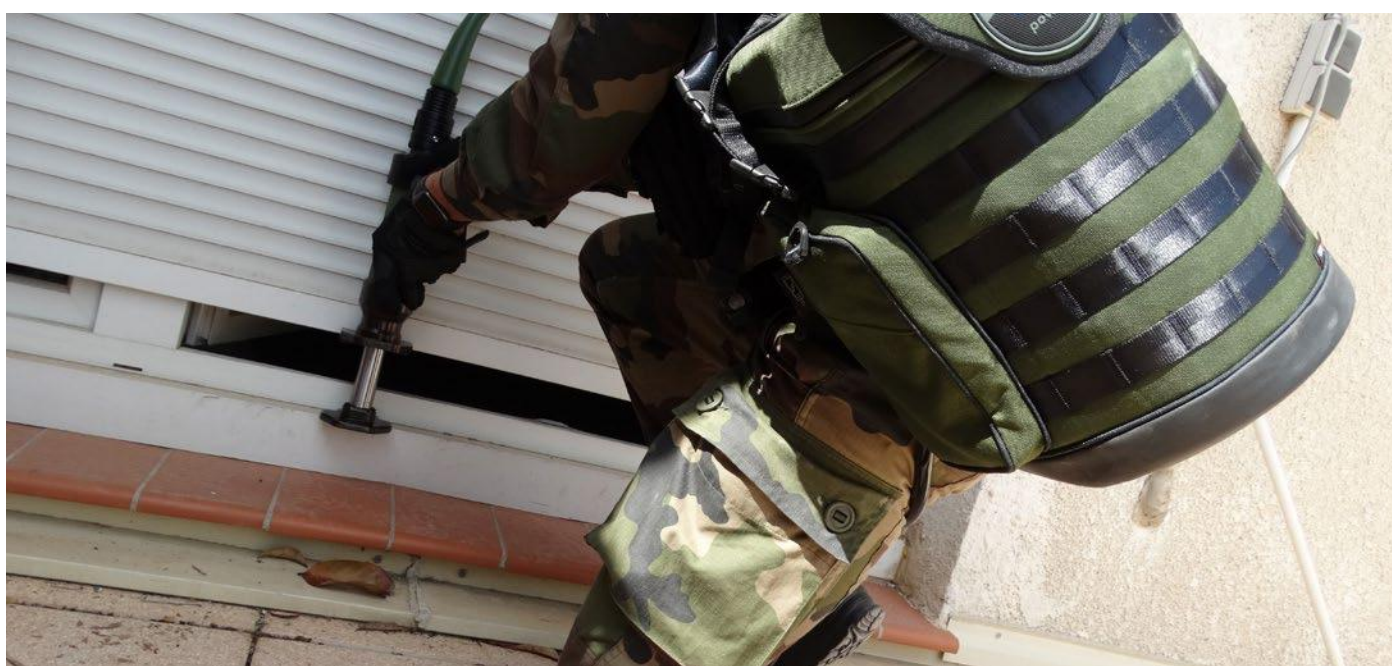
The OP55 is delivered in a transport bag. It can also be delivered on option in a PELICASE.

The B.A.S. superlight hydraulic power unit is designed to be carried, but also to be used on the back, slung over the shoulder or carried by hand, allowing you to move around in difficult access areas while keeping your hands free.

A quick release system has been designed to quickly discard the power unit while backpacking.

With a manually replaceable lithium battery and a charge status indicator light that shows when it is time to replace or recharge the battery, the power unit is suitable for powering all LIBERVIT hydraulic tools.

On option, the B.A.S superlight power unit has many accessories.



OP55- light hydraulic door-opener



transport bag

The OP55 hydraulic door opener ensures quick and silent opening of inward opening non-armoured doors, gates, shutters, sliding curtains and also outward by acting as a spreader.

The start contactor is used to deploy the door-opener*. On releasing the contactor, the tool stops and automatically retracts connected to a LIBERVIT hydraulic power unit.

The OP55 is delivered in a transport bag. It can also be delivered on option in a PELICASE.

* when used with a LIBERVIT manual pump the OP55 does not automatically retract and you will not have to press on the start contactor.
(*tool not self-sufficient)

B.A.S. superlight - hydraulic power unit



The B.A.S. superlight hydraulic power unit supplies all the tools in the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges.

The B.A.S superlight power unit has been designed to be transported by hand, with a shoulder strap or on the back to ease transport in difficult access area and free the hands. A quick-release system has been integrated to discard the power unit when carried on the back.

A dashboard protected by a removable flap provides access to the start-up switch as well as to the battery charge status indicator.

A 1.5 meters hydraulic hose is permanently stored in a dedicated compartment, just open it to extract the hose. The B.A.S. hydraulic unit has a 48V LIBERVIT Lithium battery, giving an average autonomy of 120 minutes in tool action. The 100% recharge time for a fully discharged battery is 35 minutes. In order to protect the battery and increase autonomy, we have equipped the B.A.S. superlight hydraulic power unit with auto-shutdown technology, this technology allows the hydraulic power unit to automatically switch off after 4 hours of non-activity. You can disable the auto-shutdown through the LIBERVIT Connected application.

The hydraulic unit is supplied as standard with a hand remote control, wired / wireless convertible, usable at 3 m distance in wired configuration and at 30 m distance in wireless configuration.

The use of wired or radio remote control makes it possible, in the event of a trapped door or an armed assailant, to activate the hydraulic power unit while maintaining an essential safety distance.

The hand remote control has a battery charge status indicator. It has long-lasting rechargeable batterie and can be recharged by simply connecting the remote control to the hydraulic unit without requiring a main supply.

With the T360 technology developed by LIBERVIT, the B.A.S. superlight hydraulic unit can be used and stored in all positions, while retaining all of its performance.

To ease as much as possible our power unit preventive maintenance we have fitted them with a data transmission and reception system linked to a free application to be downloaded from the Google play and HUAWEL stores. Each user will be able to check and perform simple diagnosis from his mobil phone.

OP55 – light hydraulic door-opener

the OP55 hydraulic door opener ensures quick and silent opening of inward opening non-armoured doors, gates, shutters, sliding curtains and also outward by acting as a spreader. The handle with a contactor to action the door-opener offers a good hand hold.





OP55

The OP55 hydraulic door opener ensures quick and silent opening of inward opening non-armoured doors, gates, shutters, sliding curtains and also outward by acting as a spreader.

The start contactor is used to deploy the door-opener*. On releasing the contactor, the tool stops and automatically retracts connected to a LIBERVIT hydraulic power unit.

The OP55 is delivered in a transport bag. It can also be delivered on option in a PELICASE.

* when used with a LIBERVIT manual pump the OP55 does not automatically retract and you will not have to press on the start contactor.

(*tool not self-sufficient)

TECHNICAL CHARACTERISTICS

light hydraulic door-opener	ref. OP55	
jack thrust	59 kN	
jack's stroke	143 mm - 6 inch	
dimensions	325 x 112 x 240 mm - 13 x 4.5 x 9.5 inch	
weight	4.8 kg - 10.5 lbs	
available colours	dark grey or olive green	
transport bag	yes, ref. ST/OP55	
PELICASE transport case	on option, ref. VDT/OP55 (LIBERVIT BLACKline)	on option, ref. VLD/OP55 (LIBERVIT DEFENSE)
colour	black	olive green
dimensions	407 x 330 x 175 mm - 16 x 13 x 7 inch	460 x 340 x 170 mm - 18 x 13 x 6 inch
empty case weight	3 kg - 6 lbs	3.2 kg - 7 lbs
fully equipped case weight	7.8 kg - 17 lbs	8 kg - 17.5 lbs
hydraulic coupling cap	on option, ref. BF	
colours available	dark grey or olive green	

H/OP55/SNIP

OP55's support harness



removable OP55's support harness ref. H/OP55/SNIP

A removable OP55's support harness is provided to carry or attach on the B.A.S. hydraulic power unit.

TECHNICAL CHARACTERISTICS

OP55's support harness

commissioning

removable

attachments

shoulder straps attachments

hooks

reinforced handle

dimensions

weight

ref. H/OP55/SNIP

only for the OP55 hydraulic jack door opener

yes

on OP55 with velcro straps

yes, qty 2, standard emergency release buckles

yes, qty 2

yes

280 x 230 x 80 mm - 11 x 9 x 3 inch

100 g - 3.5 oz

H/BSL/SNIP

B.A.S. superlight's OP55 support harness



removable B.A.S. superlight's OP55 support harness, ref. H/BSL/SNIP

TECHNICAL CHARACTERISTICS

B.A.S. superlight's OP55 support harness

commissioning

removable

attachments

standard emergency release buckles

buckles

reinforced handle

dimensions

weight

ref. H/BSL/SNIP

for the OP55 hydraulic jacks door opener

yes

heavy duty straps

yes, qty 2, for the handle

yes, qty 2, for top shoulder straps

yes, qty 2, hold the OP55

yes

400 x 180 x 90 mm - 16 x 7 x 3.5 inch

120 g - 4.5 oz





B.A.S. superlight – hydraulic power unit

power supply all the LIBERVIT hydraulic tools from the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges.



B.A.S. superlight



Compact, light and silent the B.A.S. hydraulic unit power supplies all the LIBERVIT hydraulic tools from the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges.

Transportable on the back, with a shoulder strap or by hand you will be able to evolve in difficult access area while keeping your hands free.

A dashboard protected by a removable flap provides access to the start-up switch as well as to the battery charge status indicator.

The B.A.S hydraulic power unit has an integrated 1.5 m hydraulic hose and a 48V lithium battery offering 120 minutes of working time to a tool.

Functions and accessories within the next pages.



B.A.S. superlight hydraulic power unit

TECHNICAL CHARACTERISTICS

hydraulic power unit	ref. B.A.S. superlight
service pressure	300 bar
oil tank capacity	1.24 L - 42 fl oz
use, transport & storage	T360° multi-position technology
outer-shell	Cordura® soft shell,
molle® system	yes
IP index	IP64
closing	YKK® water repellent zipper
reinforced bottom bag	yes, semi-rigid/ high abrasion resistance
available colours	dark grey or olive green or camouflage
carrying means	back / handheld / shoulder strap
shoulder and ventral straps	yes, ref. EPGD, with emergency release buckles
transport strap	yes, ref. BSL/B
reinforced handle	yes, ref. BSL/P
pocket	qty 1, removable, ref. PAI/BSL
lifting ring	yes, to lift, air lift, hang
B.A.S. superlight's DP7IHC support harness	yes, ref. H/BSL/SNIP
integrated hydraulic hose	1.50 m - 5 ft
hydraulic hose casing	yes
decibels	48 dB*
power supply	qty 1, LIBERVIT 48 V Lithium battery, ref. BI-ION48
battery autonomy	2 hours of tool action**
battery removal	manually
battery maximum charging time	35 min (100% charge)
battery charge indicator	yes, on the battery and on the power unit's dashboard
auto-shutdown	yes, after 4 hours non-use (auto-shutdown adjustable & can be disabled)
LIBERVIT automatic charger	qty 1, ref. CB-ION48 (110V) or CB-ION48 (220V)
convertible hand remote control	qty 1, ref. cMrf, with Molle® system sleeve
power supply cable length	3 m - 10 ft
radio remote range	30 m - 99 ft
connected unit	LIBERVIT Connected app on Google Play & Huawei store (deactivatable Bluetooth)
dimensions	395 x 290 x 250 mm - 15.5 x 11.5 x 10 inch
weight	11 kg - 24 lbs***

* test done at a 5 m distance

** test done at a 150 bar average pressure

*** ready to use without portage means

On option, the B.A.S. superlight unit, its charger and radio remote can be packed in a solid case.

PELICASE® transport case	ref. VDT/BSL(LIBERVIT BLACKline)	ref. VLD/BSL(LIBERVIT Défense)
available colours	black	olive green
telescopic handle	yes	yes
wheels	yes	yes
dimensions	630 x 510 x 300 mm - 25 x 20 x 12 inch	795 x 518 x 310 mm - 31 x 20 x 12 inch
weight empty	10.5 kg - 23 lbs	13 kg - 28 lbs
case loaded	24.5 kg - 54 lbs	27 kg - 59 lbs

B.A.S. superlight hydraulic power unit can supply :

The B.A.S. superlight hydraulic power unit supplies all the tools from the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges. We designed this unit with in mind the fact that we wanted it to power supply all our latest tools but also all the LIBERVIT tools manufactured these last 25 years.



spreaders



cutters



jacks



EX100 door opener



OP series
door opener



mid range HR7
door opener



VE70-L
high performance
door opener

LIBERVIT

TECHNICAL DATAS



A dashboard protected by a removable flap provides access to the start-up switch as well as to the battery charge status indicator.



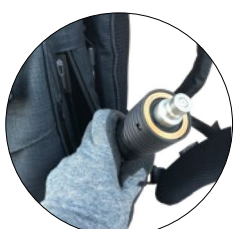
The B.A.S. hydraulic power unit has a 48V lithium battery, giving an average autonomy of 120 minutes in tool action.



The hydraulic power unit is supplied as standard with a hand remote control, wired / wireless convertible, usable at 3 m distance in wired configuration and at 30m distance in wireless configuration.



The use of wired or radio remote control makes it possible, in the event of a trapped door or an armed assailant, to activate the hydraulic power unit while maintaining an essential safety distance. The remote control has a battery charge status indicator. They have long-lasting rechargeable batteries and can be recharged by simply connecting the remote control to the hydraulic unit without requiring a mains supply.



A 1.5 meters hydraulic hose is permanently stored in a dedicated compartment, just open it to extract the hose. The compartment has 2 openings giving you the choice to extract it from left or right.



To protect the battery and increase its autonomy we have fitted the B.A.S superlight unit with an auto-shutdown technology. The auto-shutdown kicks in after 4 hours of non-use. The auto-shutdown can be disabled through the LIBERVIT app and it can be set to a 1 to 8 hours period.



With the T360 technology developed by LIBERVIT, the B.A.S. superlight hydraulic power unit can be used and stored in all positions, while retaining all of its performance.



Removable and washable the B.A.S superlight hydraulic power unit' outer shell is made of multi-layered padded Cordura (1100 Den) and is IP64. It is also fitted with water-repellent zippers and anti-noise partitions.



Foldable a lifting ring at the back of the unit offers a 100% reliable anchor point to lift, air lift and hang..



The integrated wire charges: the lithium battery via the charger as well as the remote-control battery.



The B.A.S superlight hydraulic power unit does not exceed the 45 dB at 5 m.




The LIBERVIT connected application available on the Google Play & Huawei stores will enable you to diagnose your hydraulic power unit and will also indicate: the battery charge status, the number of charges / discharges already done, the oil level, the engine running status, the radio remotes functioning as well as the battery charger, the tool's effort produced and many more useful information.

BI-ION 48 battery's ballistic tests report for operators' safety




As we aim to provide quality and safety for our users, we've conducted some ballistic impacts tests on our LIBERVIT B.A.S. superlight powered by a Lithium battery ref: BI-ION48. This exhaustive report will give you information on the pros & cons of our batteries. We will keep working hard to improve our equipment and maintain the quality you already know as well as increasing as much as possible our users' safety.

Ballistic impacts tests executed with the arms and calibers listed below:



HK636
Fusil automatique

223 Remington
Cal. 5.56 OTAN



HK417
Fusil automatique

308 Winchester
Cal. 7.62 OTAN

OBJECTIVE :

Point out potentially dangerous risks, momentary and/or persistent: (explosion/projection/flammable).

TESTS :

1- Automatic rifle HK417: cal 7.62 OTAN, 308 Winchester, 50 m/164 ft shot :

Instant reaction: white smoke, sparks.

Delayed reaction: after +/- 15 mn, no flame, no flow.

Battery visual aspect: perforated from side to side.

2- Automatic rifle M4: cal 5.56 OTAN, 223 Remington, 50 m/164 ft shot :

Instant reaction: white smoke, no sparks.

Delayed reaction: after +/- 15 mn, no flame, no flow.

Battery visual aspect: perforated from side to side.

3- automatic rifle HK636: cal 5.56 OTAN, 223 Remington and HK417: cal 7.62 OTAN, 308 Winchester 5 m shot:

Instant reaction: white smoke, no sparks.

Delayed reaction: after +/- 15mn. : no flame, no flow

Battery visual aspect: perforated from side to side



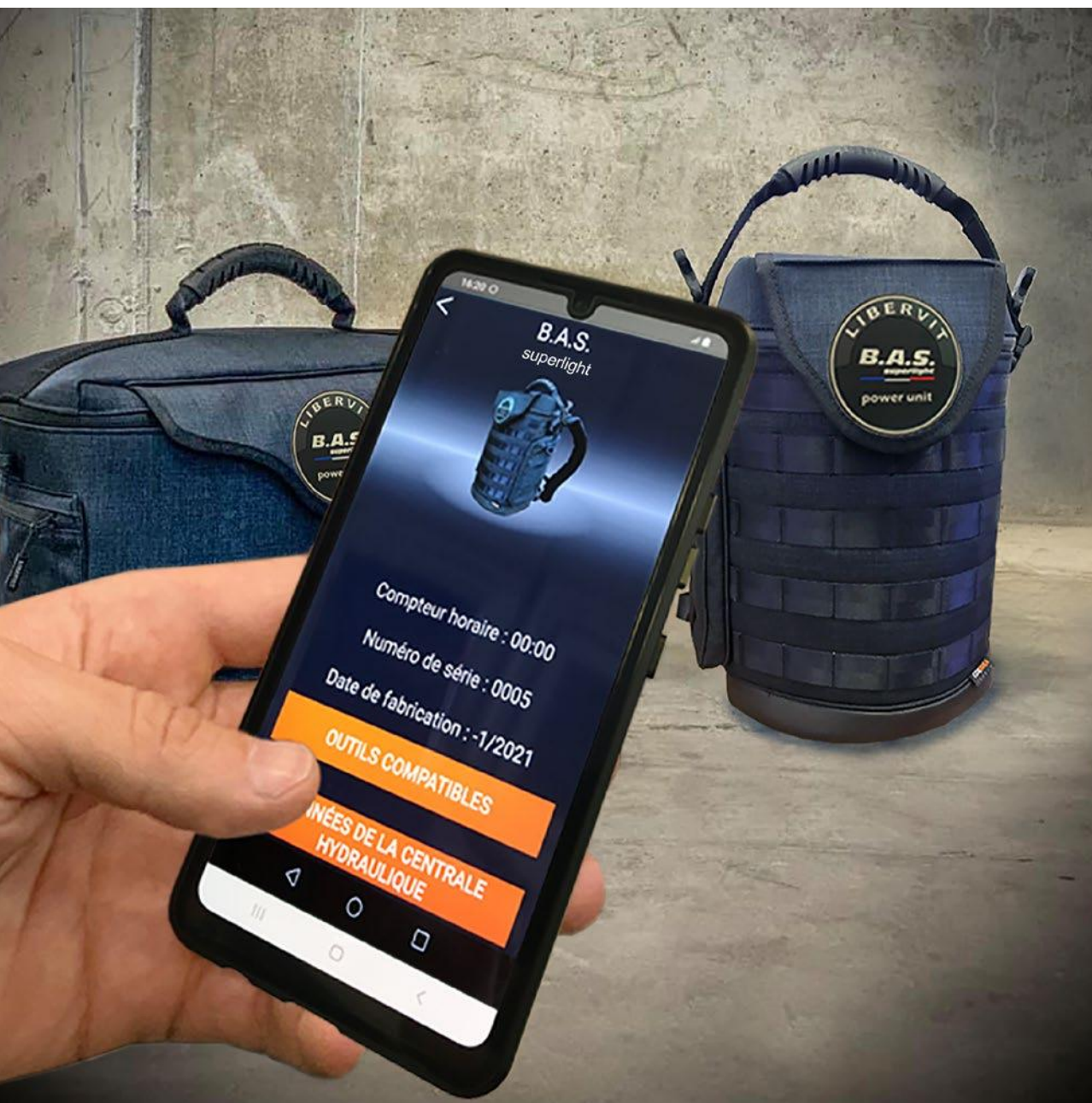
CONCLUSION :

The different ballistic tests executed gave us the opportunity to find out the damages and their consequences done to a LIBERVIT BI-ION48 battery when shot at. All the batteries have been perforated from side to side generating white smoke but no flame and no flow and no explosion has been witnessed.

THE USE OF LIBERVIT POWER UNITS IS EXPLOSION AND BURST RISK FREE UNLIKE EQUIPMENTS USING AIR COMPRESSED BOTTLES.

LIBERVIT Connected

complete hydraulic power unit diagnosis via the LIBERVIT connected app.





Bluetooth

LIBERVIT Connected



To ease as much as possible our units' preventive maintenance, the B.A.S. superlight unit is delivered in series with a receiving and transmitting data system that all users can access on their smart phone to perform a complete diagnosis of their equipment. The Application LIBERVIT connected can be downloaded from the Google or Huawei store.

- The diagnostic indicates:
- The battery charge status
- The hydraulic oil level
- The engine condition
- The hydraulic pressure
- The radio remotes condition
- The battery charger condition
- The tool's effort (in use with the unit)
- And much more

You will be able to send an email directly from your phone to our technical department with the diagnosis. Our technicians will be able to read the data and act accordingly if a maintenance or repair is needed and help you if it is possible through our Hotline.

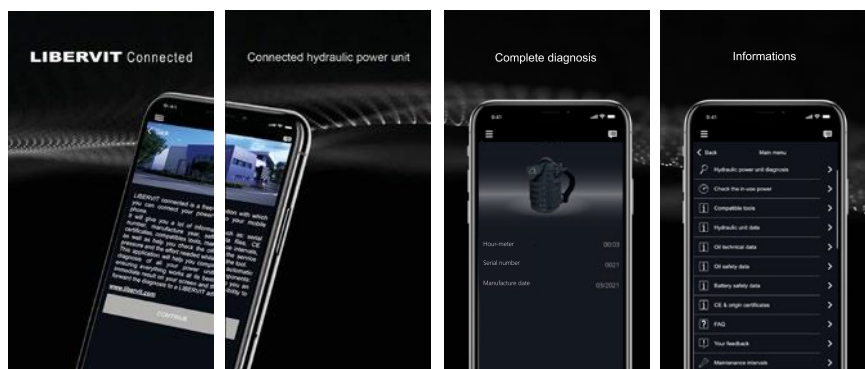


> AFTER SALES SERVICE : aftersales@libervit.com



AFTER-SALES
TOLL FREE

0 805 385 123







INTERACTIVE RADIO REMOTE WRISTBAND

on option, the interactive radio remote wristband activates the B.A.S. superlight hydraulic power unit from a distance.





BRI

The interactive radio remote wristband activates the B.A.S.superlight hydraulic power unit from a distance (maximum range: 30 m), the tool's effort in action in real time is also visible on the screen.

Its waterproof (IP64) touch screen indicates the radio signal, the battery level (10h autonomy in use) , the date and time. The wristband also benefits from a red LED (added light – ON or OFF) and a USB-C port to charge it.

You can check whether the auto-shutdown is activated or not.

Activate or disable the auto-shutdown from the LIBERVIT Connected App.



TECHNICAL CHARACTERISTICS

Interactive radio remote wristband	ref. BRI
Radio communication :	works with LIBERVIT B.A.S. & B.A.S. superlight power units a range of 30 m
datas :	real time tool's effort in % radio signal level battery level (BRI + BAS superlight) ASD (unit Auto-shutdown) activated / disabled hours/ date
functions :	unit activation visualization of the tool's power used in % red LED (ON/OFF) USB-C port to charge the BRI
screen lighting	high and low screen brightness
battery	LiPo 3.7 V - autonomie 10h
waterproof	yes, IP64
wristband	50mm adjustable strap with Velcro
dimensions	90 x 30 mm - 3.5 x 1 inch
weight	80 g - 3 oz

B.A.S. superlight power unit's accessories

on option are available some accessories for the B.A.S. superlight





CROSS BODY SHOULDER STRAP

Ref: BAS/EPM

The cross body shoulder strap fits on the power unit in place of the shoulder pads with safety buckle for quick ejection and a securing harness for light door openers (available colours : dark grey or olive green or camouflage).



RIGHT SIDE REMOVABLE POCKET

Ref: PAZ/BSL

Right spare side removable pocket to fit on the B.A.S. superlight power unit body (available colours : dark grey or olive green or camouflage).



PERIPHERALS TRANSPORT BAG

Ref: STP/BSL

The B.A.S. superlight peripherals can be protected and stored in a transport bag: handle, shoulder straps, strap, backrest, battery charger, radio remotes and an extra battery (available colours : dark grey or olive green or camouflage).



MAGNETIC KIT

Ref: KM/BSL

With the magnetic kit you can free yourself from the unit weight and plate it against any metallic surface.



HOOK KIT

Ref: KC/BSL

To hang the B.A.S. superlight unit when it cannot be left on the floor.



EXTREME CONDITION SLEEVE

Ref: HCE/BSL

It will protect your B.A.S. superlight unit from extreme weather conditions such as heavy rain, sandstorm, etc delivered in a pouch adaptable on the molle system or by carabiner.



PELICASE® TRANSPORT CASE

Ref: VDT/BSL (LIBERVIT BLACKline) or ref: VDT/BSL (LIBERVIT Défense)

(available colours : black or olive green)

The B.A.S. superlight unit, its battery charger and the radio remotes can be packed in a in a waterproof case. The VDT/BAS is fitted with a high density black foam in which an imprint of the tool has been made to keep it secure during transport or storage.

We use the PELICASE® brand for its quality and reliability. Our cases all meet the military and air transport norms, have wheels and a foldable handle.

LF2 - HYDRAULIC HOSE

the LIBERVIT hydraulic hoses power supply all the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges hydraulic tools.



LF2



The LIBERVIT hydraulic hoses power supply all the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges hydraulic tools. These hoses benefit from the patented "Hydrolec II" technology allowing both the HYDRAULIC & the ELECTRICAL in a single connection.

Two hydraulic hoses can be connected together to have a longer one.
e.g: two LF2 (2 m each) will give a length of 4 m.
Each hydraulic hose is delivered filled with oil and ready to use.



connection to a B.A.S. superlight power unit



"Hydrolec II" technology



same connection for all LIBERVIT tools



connection PML3D hydraulic manual pump

TECHNICAL CHARACTERISTICS

hydraulic hose	ref. LF2
available colours	black or olive green
length	2 m - 6.5 ft
weight	2 kg - 4.5 lbs

hydraulic coupling protection cap on option, ref. BF & BM

compatible with all LIBERVIT hydraulic tools.







> **QUOTATIONS : quotations@libervit.com**



> **ORDERS : orders@libervit.com**



> **AFTER SALES SERVICE : aftersales@libervit.com**



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If in doubt about some of the information rightness please contact our communication service through e-mail: communication@libervit.com

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