



**B.A.S.**

hydraulic power unit

technical data sheet

**LIBERVIT**  
manufacturer

**LIBERVIT**  
**ORANGEline**

manual & hydraulic forcible  
entry tools

**LIBERVIT**  
**ORANGEline**

extrication  
urban search & rescue tools

 **LIBERVIT**  
*maritime rescue*

watery rescue tools

From a general point of view, even the most efficient equipment will not themselves be the solution to deal with all situations. They cannot guarantee the expected result, nor eliminate any risk for the rescuers.

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 sometimes while using some of our tools.

It is at this very moment that our choice of components, raw materials to manufacture the tools that you are using, at this very moment, when you are about to save lives that the equipment must itself be failproof !

Internationally, France benefits from a strong reputation in the fields of security and victims' relief 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 Firefighters, 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

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.

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.

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

All our tools undergo rigorous test & control before shipment.



# B.A.S. – hydraulic power unit

the B.A.S. hydroelectric power unit can supply up to two LIBERVIT hydraulic tools alternately.



## B.A.S.



Compact, light and silent the B.A.S. hydraulic unit power can supply and allows the alternate use of two LIBERVIT hydraulic tools.

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 2 hours of working time.

Functions and accessories within the next pages.



# B.A.S. hydraulic power unit

## TECHNICAL CHARACTERISTICS

hydraulic power unit	ref. B.A.S.
service pressure	300 bar
oil tank capacity	1.65 L - 58 fl oz
tools operated	two alternately
use, transport, storage	T360° multi-position technology
outer-shell	Cordura® soft shell (1100 Den)
molle® system	yes
closing	YKK® water repellent zipper
reinforced bottom bag	yes, semi-rigid / high abrasion resistance
colours	orange, black, yellow & reflective strips
carrying means	back / handheld / shoulder strap
pair of backpack shoulder and chest straps	yes, qty 1, ref. EPGD, to set on the back of the power unit backpack, removable and adjustable
shoulder strap	yes, qty 1, ref. BAS/B
reinforced handle	yes, qty 1, ref. BAS/P
left & right side removable pocket	qty 2, ref. PA1/BAS & ref. PA2/BAS
lifting ring	at the unit back to lift, air lift, lever, hang
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 dashboard
auto-shutdown	yes, after 4 hours non-use (auto-shutdown adjustable & can be disabled)
LIBERVIT automatic battery charger	qty 1, ref. CB-ION48 (220V) or CB-ION48 (110V)
convertible hand radio remote control	qty 1, with molle® system sleeve
power supply cable length	3 m - 10 ft
hand radio remote range	30 m - 99 ft
complete diagnosis LIBERVIT Connected	LIBERVIT Connected app on Google Play & Huawei store (deactivable Bluetooth)
dimensions	350 x 300 x 410 mm - 14 x 12 x 16 inch
weight	12 kg - 26 lbs***

\* test done at a 5 m distance

\*\* test done at a 150 bar average pressure

\*\*\* ready to use without portage means

## ACCESSORIES

interactive radio remote wristband	on option, ref. BR1
cross body shoulder strap	on option, ref. BAS/EPM
extreme conditions sleeve	on option, ref. HCE/BAS
magnetic kit	on option, ref. KM/BAS
hook kit	on option, ref. KC/BAS
peripherals transport bag	on option, ref. STP/BAS, for handle, pair of shoulder strap, strap, battery charger, hand radio remote control
spare lithium battery	on option, ref. BI-ION48
PELICASE® transport case	on option, ref. VDT/BAS

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

PELICASE® transport case	ref. VDT/BAS
available colour	black
telescopic handle	yes
wheels	yes
silica gel cartridge	qty 1, used to prevent humidity
dimensions	800 x 520 x 300 mm - 31 x 21 x 11 inch
weight empty	12.5 kg - 27.5 lbs
case loaded	24.7 kg - 54.5 lbs



# B.A.S. hydraulic power unit can supply 2 tools alternately

The B.A.S. power unit supplies all the tools from the LIBERVIT ORANGEline range.



spreaders



cutters



jacks



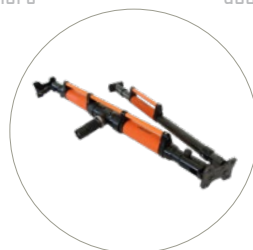
E100 door opener



OP series  
door openers



mid range HR7  
door opener



VE70-L  
high performance  
door opener

# 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 pairing mode for radio system, the Bluetooth search and the faulty oil level status.



The B.A.S. hydraulic power unit has a 48V lithium battery, giving an average autonomy of 2 hours in tool action. Two LIBERVIT automatic battery chargers are available depending the voltage of a power outlet in your country (110V or 220V).



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 hand remote control makes it possible, in the event of a backdraft or flashover, to activate the hydraulic power unit while maintaining an essential safety distance. The hand remote control has a battery charge status indicator. They have long-lasting rechargeable Lithium battery and can be recharged by simply connecting the hand 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. The B.A.S. hydraulic power unit allows the alternate use of two LIBERVIT hydraulic tools.



To protect the battery and increase its autonomy we have fitted the B.A.S. hydraulic power 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. hydraulic power unit can be used and stored in all positions, while retaining all of its performance.



Removable and washable the B.A.S. 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.



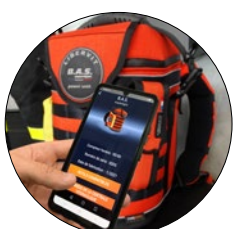
Foldable a lifting ring at the back of the unit offers a 100% reliable anchor point to lift, air lift and hang..



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



The B.A.S. hydraulic power unit does not exceed the 45 dB.



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. Languages available : French, English, Spanish, Chinese, German and Thai.

# LIBERVIT Connected

complete hydraulic power unit diagnosis via the app LIBERVIT connected.





Bluetooth

## LIBERVIT Connected



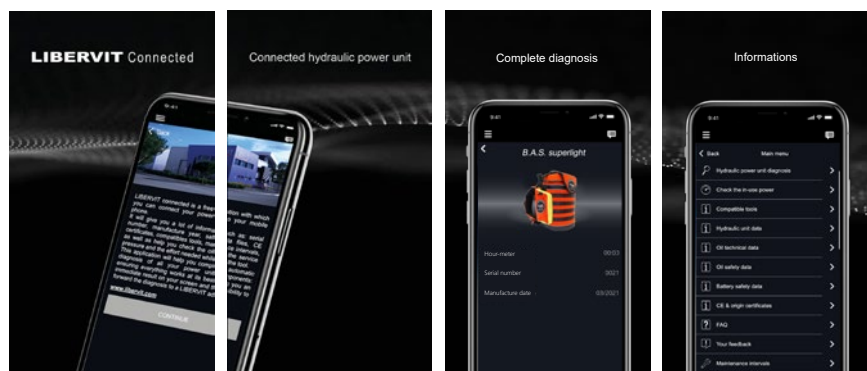
To ease as much as possible our units' preventive maintenance, the B.A.S. power unit is delivered in series with a receiving and transmitting data system that all users can access on their smart phone to perform a complete diagnosis of their equipment. The Application LIBERVIT connected can be downloaded 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](mailto:aftersales@libervit.com)

 **AFTER-SALES**  
TOLL FREE **0 805 385 123**







# BRI interactive radio remote wristband

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







## BRI

The interactive radio remote wristband activates the B.A.S. 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
informations	real time tool's effort in % radio signal level battery level (interactive radio remote wristband + power unit) 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. hydraulic power unit's accessories

on option are available some accessories for the B.A.S. hydraulic power unit.





#### PAIR OF SHOULDER STRAPS WITH EMERGENCY RELEASE BUCKLES

Ref. EPGD

A pair of removable shoulder straps fitted with emergency release buckles. A quick-release procedure is recommended to quickly free yourself from your backpack power unit.



#### REINFORCED HANDLE

Ref. BAS/P

A removable reinforced handle can be used to transport by hand the B.A.S. hydraulic power unit.



#### TRANSPORT STRAP

Ref. BAS/B

The transport strap fitted with two male quick-release buckles and can be clasped to any female quick-release buckles (on the top or the back of the B.A.S. hydraulic power unit).



#### CROSS BODY SHOULDER STRAP

Ref. BAS/EPM

The cross body shoulder strap fits on the power unit in place of the shoulder straps with safety buckle for quick ejection and a securing harness for light door openers.



#### LEFT & RIGHT SIDE REMOVABLE POCKETS

Ref: PAI/BAS & PAZ/BAS

Left or right spare side removable pockets to fit on the B.A.S. hydraulic power unit body.



#### ACCESSORIES' TRANSPORT BAG

Ref: STP/BAS

The B.A.S. hydraulic power unit accessories can be protected and stored in a transport bag: handle, shoulder straps, transport strap, battery charger, hand radio remote control and an extra battery.



#### MAGNETIC KIT

Ref: KM/BAS

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



#### HOOK KIT

Ref: KC/BAS

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



#### EXTREME CONDITION SLEEVE

Ref: HCE/BAS

It will protect your B.A.S. hydraulic power 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/BAS

The B.A.S. hydraulic power unit, its battery charger, the hand radio remote & peripherals accessories 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.



> **QUOTATIONS** : [quotations@libervit.com](mailto:quotations@libervit.com)



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