



**THERMIC POWER**  
exothermic cutting unit

technical data sheet



**LIBERVIT**  
manufacturer



SCAN  
TO DISCOVER

**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.

A handwritten signature in black ink, appearing to read 'Yvan Cardona', written over a light blue horizontal line.

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.





# THERMIC POWER

## exothermic cutting unit

through high temperature fusion (5000°C) cuts,  
in a short time frame, all kind of material.



## THERMIC POWER



The LIBERVIT thermic power unit cuts, through high temperature fusion (5000°C), in a short time frame, all kind of material.

The rods are lit when stricken on the striking plate which is powered by a small battery.

Depending on the diameter of the electrode chosen, it will be possible to cut the same thickness of material more or less quickly. The larger the diameter, the faster the cutting speed will be, but the greater the oxygen consumption will be. Cutting progress can be paused and resumed at any time. The Thermic Power unit is fitted with auto-closing couplings as well as safety check-valves.

It also comes with G3 glasses offering comfort and security to LIBERVIT thermic torch users. The G3 glasses automatic dimout filters switch automatically from a quite light tint (2.5) to a darker one in between 4 to 8 depending on the selected category.

The G3 glasses with their dimout filters offer comfort and safety to users operating the LIBERVIT thermic cutting dorsal unit.



# THERMIC POWER

## exothermic cutting unit

TECHNICAL CHARACTERISTICS	
Thermic cutting unit	ref. Thermic Power
1 oxygen bottle	6L/200 bar
2 oxygen bottle sleeves	transport harness, Cordura® fabric
available colours	orange, black, yellow and reflective stripes
transport	back or by hand
manometer	yes
3 check-valves	qty 1
4 regulator	qty 1, 200/6 bar
5 hose feed	qty 1, 165 mm - 6.5 inch
6 torch	yes
7 torch extension	qty 1, length 400 mm / 18 inch
8 ground striking plate	qty 1, (ref. plaqueAS)
9 hand striking plate	qty 1, (ref. plaqueAM)
10 battery charger	yes
11 ignition unit	qty 1, In PELICASE case
12V lithium battery	qty 1, réf. BLFP in THERMIC POWER case
autonomy	ignites about 10 cutting rods
battery removal	manual
battery indicator	yes
charge time	1h30
12 cutting rods	qty 10, Ø 6.3 x 480 mm - Ø 1/4 x 19 inch
13 cutting rods	qty 10, Ø 9.5 x 480 mm - Ø 3/8 x 19 inch
14 spring collets	qty 3, x2 Ø 9.5, x1 Ø 6.3
15 protection glasses	ref. G3, with automatic dimout filters
16 breathing mask	qty 5
17 gloves	yes
18 PELICASE transport case	yes, ref. VDT/THPW
dimensions	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight case empty	12 kg - 26.5 lbs
weight case loaded	37 kg - 82 lbs





hose and oxygen bottle



torch, electric cable, spring collets and torch extension



ground striking plate and electric cable



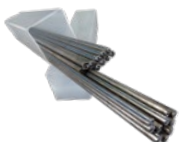
ignition unit



battery charger



hand striking plate



torches



G3 glasses with automatic dimout filters  
**LIBERVIT**  
**ORANGEline**



PELICASE transport case











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