

Product Information

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Page : 1 of 2



**BERNHARDT
APPARATEBAU
GmbH u. Co.**

RETTUNGSGERÄTE
FÜR SCHIFFFAHRT
UND LUFTFAHRT

Subject to technical modifications!

Bredhornweg 39
D – 25488 Holm

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SECUMAR ALPHA 150 BG

P.-No.: 10715, 11084

Automatic Inflatable lifejacket 150 N category



(Also available with manual inflation device)

1. Description/Application

Fully automatic inflatable lifejacket for commercial and industrial applications, for water engineering, inland waterways, in-shore and off-shore waters, shipyards.

Approvals: European Standard EN 396 (CE-marking), SeeBG 418.046 (German authority)

2. Equipment Design and Function

The SECUMAR ALPHA 150 BG lifejacket became more compact and comfortable than ever before. The new buoyancy chamber design makes the lifejacket about 10 cm shorter. With a detachable neckpatch there will be no more chafing in the neck. A smooth fleece patch offers agreeable comfort of wearing. The neckpatch can be detached, washed and replaced at any time. The SECUMAR ALPHA 150 BG consists of a single buoyancy chamber, with a flat neck part to allow complete freedom of movement for all activities. When the lifejacket is inflated the back strap adjusts automatically and ensures an optimal fit of the lifejacket. Also available with manual activation only.

-The lifejacket fits snugly to the body, non-bulky.

-Donning and Doffing is very easy with the new SECUMAR CLICK-Buckle (SECUMAR development).

3. Technical Data of Parts and Components

● Buoyancy Chamber:

- with additional oral valve
- covered with 300 cm² 3M®-retro reflective tape
- buoyancy approx. 165 N

● Automatic inflator SECUMATIC 3001 S:

- with the SECUMAR pill as the trigger element, in service for more than 30 years
- three green indicators show readiness of the inflation device
- unique torque safe tying system ensures proper suit of CO₂ cylinder and correct screw in
- additional manual release
- contents of gas cylinder: 32 g CO₂
- easy to reload, no tools required

Models with manual inflation are equipped with the SECUMAR SM 301 inflation device.

● Protective stole/cover:

The coloured side is on the outside when the life jacket is not inflated during normal wear. When the life jacket is inflated, the coloured side is drawn to the wearer's body, and the bright international orange colour of the inflated buoyancy chamber becomes visible. The protective stole may be detached from the buoyancy chamber in order to be cleaned and in the case of damage.

● Fitting, buckle:

The waist belt will be closed with the new patented SECUMAR CLICK-Buckle with belt safeguard. The special construction is very easy to use and prevents from accidental opening.

4. Equipment

- Two-tone whistle
- Integrated lifting becket (260 daN lifting capacity)
- Instructions for use/Labelling according to EN 396

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5. Parameters of Use

- Weight: approx. 1.0 kg
- Size: suitable for persons from 40 kg to 120 kg and chest size between 85 to 120 cm
- min. temperature for use: -10° C (low temperatures cause longer inflation times!)
- climatic areas: no limits*
* to protect the SECUMAR pill against premature disintegration caused by high atmospheric humidity/ temperature SECUMAR highly recommends to adapt the changing interval to these specific areas. The standard interval should be shortened to an appropriate period.
- Temperature range:
 - Storage -54° C to +70° C
 - Operation -10° C to +70° C

6. Quality

BERNHARDT APPARATEBAU is certificated with DIN ISO 9001. We are experienced in developing and producing high quality industrial, military and leisure market lifejackets for more than 40 years. SECUMAR that means SECURitas in MARE.

