

Product Information

Document No.: WindowAlpha275-GB-PI.doc
Issued by : S. Block
Date : 20.09.2005
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**BERNHARDT
APPARATEBAU
GmbH u. Co.**
RETTUNGSGERÄTE
FÜR SCHIFFFAHRT
UND LUFTFAHRT

Subject to technical modifications!

Bredhornweg 39
D – 25488 Holm

Tel: 04103/125-0
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SECUMAR Window ALPHA 275

P.-No.: 12289

Automatic Inflatable lifejacket category 275 N



1. Description/Application

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

Approvals: European Standard EN 399 (CE-marking)

2. Equipment Design and Function

The SECUMAR Window ALPHA 275 lifejacket is 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 Window ALPHA 275 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 new Window-design enables the direct view to the inflation device without opening the protective stole.

-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 400 cm² 3M®-retro reflective tape
 - buoyancy approx. 280 N

- Automatic inflator SECUMATIC 4001 S:

A glance of only one red-green-indicator shows whether all four necessary conditions are correctly functioning. First, a pill must be in the automatic inflation device. A full and correctly inserted, compressed gas cylinder must be present and the trigger must be in correctly in place. Even more, it has become impossible to insert the carbon dioxide gas cylinder in the inflation device incorrectly or at an angle – thanks to the bayonet fixture based on the key-dock-system. If any of these conditions are not met the indicator will show “Red” meaning the System needs to be re-armed.

Due to this excellent characteristics the SECUMATIC 4001 S has even been approved in accordance with the stringent criteria laid down by the US coast guard.

The inflation is activated when immersed into water. The water soluble pill will desintegrate and release the internal lever that causes the piercing of the CO₂ cylinder.

- Protective stole/cover:

The protective stole is an integrated part of the buoyancy chamber. The back side of the chamber is covered with strong resistant dark blue impregnated Nylon fabric. This side is outside when the life preserver is folded during normal wearing. When inflated the dark blue covered side is drawn to the wearers body and the bright international orange colour of the inflated buoyancy chamber is visible.

- Fitting, buckle:

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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 with cord
- Integrated lifting becket (260 daN lifting capacity)
- Instructions for use/Labelling according to EN 399

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.

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.



SECUMAR Window ALPHA 275



SECUMAR Window ALPHA 275, inflated