



L I F E J A C K E T S

H A V E A
S A F E D A Y



ABOUT US

SECUMAR AND BERNHARDT APPARATEBAU



- Formation of company Ingenieur Karl Bernhardt Apparatebau in 1926.
- Early 1950's Bernhardt Apparatebau started developing lifejackets.
- SECUMAR launched on the market in 1961.
- Auto-inflating SECUMAR BS 8 lifejacket radically reduced drownings on European inland shipping in the 1970's. SECUMAR lifejackets adopted by the German Lifeboat, other rescue services and professionals.
- SECUMAR offers a worldwide service und distribution network.



From all the SECUMAR crew,
I would like to wish all lovers of watersports
a great und safe season in 2020.


Benjamin Bernhardt

HAVE A
SAFE DAY



WHICH LIFEJACKET IS **THE RIGHT** **ONE** FOR ME?



IN ANY CASE SECUMAR HAS THE RIGHT LIFEJACKET FOR YOU!

The number of lifejacket possibilities are as big as the number of areas in which it can be used, but it can't be all things to all people, so the big question is 'Which is the right lifejacket'?

The best way to answer this is to ask what it will be used for.

1

WHERE WILL IT BE USED?

Inland, coastal or offshore? Canoeing, dinghy sailing, keelboat sailing, motor boating or fishing? Each has its own requirements and will determine the decision over which lifejacket to choose.

2

WHAT CLOTHING WILL BE WORN?

Lightweight sailing kit or heavy foul-weather gear determines how much buoyancy the lifejacket must have.

Take a look at the buoyancy classes on pages 6-9 for further clarity.

Please visit our lifejacket advisor www.secumar.com/en/lifejacket-advisor



BUOYANCY CATEGORIES

An orientation for the right life jacket is provided by the system of the performance classes, as specified in the DIN EN ISO 12402. There are various performance criteria such as minimum buoyancy, mouth freeboard, turning behaviour and many more defined.



HAVE A
SAFE DAY



50N
Buoyancy
Aids



100N
Life-
jackets

















150N
Life-
jackets



275N
Life-
jackets

PRODUCT PLANNER

BUOYANCY	SAILING YACHT	MOTOR YACHT	KEELBOAT DINGHY	PADDLERS
				
<div>50 N</div> <div>Buoyancy Aids</div> <div></div>			<div>Jump p. 40</div> <div>Jump Pro p. 40</div> <div>Echo p. 41</div> <div>Camino p. 35</div>	<div>Vivo 50 p. 36</div> <div>Echo p. 41</div> <div>Camino p. 35</div>
<div>100 N</div> <div>Lifejackets</div> <div></div>	<div>Bravo p. 41</div>	<div>Bravo p. 41</div>	<div>Bravo p. 41</div>	<div>Vivo 100 p. 36</div> <div>Bravo p. 41</div>
<div>150 N</div> <div>Lifejackets</div> <div></div>	<div>Survival 220 p. 24</div> <div>Arkona 220 p. 27</div> <div>Ultra 170 p. 26</div> <div>Ultra 170 Harness p. 27</div>	<div>Survival 220 p. 24</div> <div>Arkona 220 p. 27</div> <div>Ultra 170 p. 26</div> <div>Secufit p. 37</div>	<div>Ultra 170 p. 26</div> <div>Secufit p. 37</div>	<div>Ultra 170 p. 26</div> <div>Secufit p. 37</div>
<div>275 N</div> <div>Lifejackets</div> <div></div>	<div>Scout p. 16</div> <div>Survival 275 p. 19</div> <div>Survival 275 Duo Protect p. 19</div> <div>Arkona 275 p. 20</div>	<div>Survival 275 p. 19</div> <div>Arkona 275 p. 20</div>		

<p>ROWERS</p> 	<p>ANGLERS</p> 	<p>KIDS</p> 	<p>SWIMMING STAND-UP PADDLING</p>  	<p>APPLICATION</p> 
<p>Vivo 50 p.36</p>	<p>Jump p.40</p>	<p>_____</p>	<p>Free 100 p.50</p>	<p>For regular swimmers near a beach or means of assistance, not for unconscious persons. This is not a lifejacket!</p>
<p>Vivo 100 p.36</p>	<p>Vivo 100 p.36</p> <p>Bravo p.41</p>	<p>Bravo Print p.33</p> <p>Bravo p.33</p>	<p>Vivo 100 p.36</p>	<p>Inland and protected waters. Not suitable for unconscious persons.</p>
<p>Secufit p.37</p>	<p>Survival 220 p.24</p> <p>Arkona 220 p.27</p> <p>Ultra 170 p.26</p> <p>Secufit p.37</p>	<p>Mini p.30</p> <p>Junior p.31</p> <p>Arkona Midi p.32</p>	<p>_____</p>	<p>For use in all waters and for unconscious persons unless wearing heavy or waterproof clothing.</p>
<p>_____</p>	<p>Scout p.16</p> <p>Survival 275 Duo Protect p.19</p> <p>Arkona 275 p.20</p>	<p>_____</p>	<p>_____</p>	<p>For use in all waters and for unconscious persons, especially in heavy conditions and when wearing heavy or waterproof clothing.</p>

SECUMAR BUOYANCY CHAMBERS

The construction of a buoyancy chamber is decided by its intended performance in water.

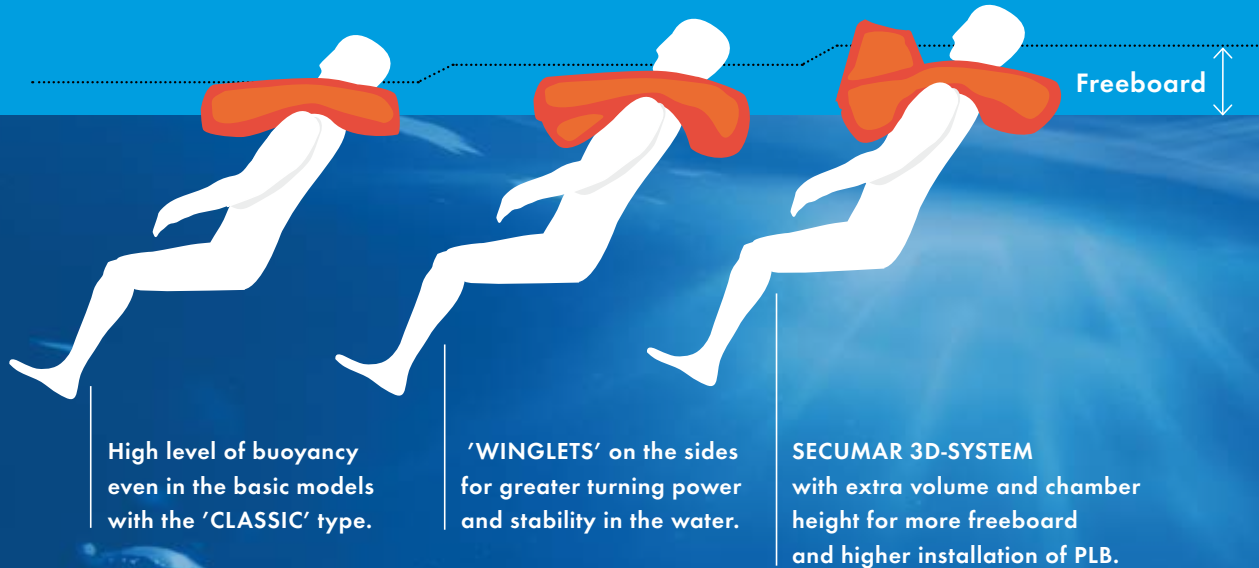
The physical distribution of buoyancy should be at the side and behind the head of the lifejacket wearer so they are turned quickly from a potentially deadly position on their front to a stable position on their back with the head supported clear of the water.



CLASSIC



3D



SECUMAR FIRING MECHANISMS



The inflator, the heart of the lifejacket. When in contact with water, the small pill of cellulose will disintegrate and will activate the lever mechanism to pierce the CO₂ cylinder, hence inflating the buoyancy chamber.

Worst case: a life depends on the functional liability of inflator.

SECUMATIC 4001S

Single red/green indicator displays the safety status of the inflator.

Green means:

- The soluble 'pill' is inserted.
- The CO₂ cylinder is properly screwed in.
- The manual release cord is properly set.
- The CO₂ cylinder is full and in order.

All this can be viewed and checked through the inspection window in the outer cover.

Further advantages:

- Bayonet system allows quick and safe installation of the CO₂ cylinder.
- A manual override system obviates any unwanted firing of the CO₂ cylinder.



SECUMATIC 3001S

Three red/green indicators display the safety status of the inflator:

Green means variously:

- The soluble 'pill' is inserted.
- The CO₂ cylinder is properly screwed in.
- The manual release cord is properly set.

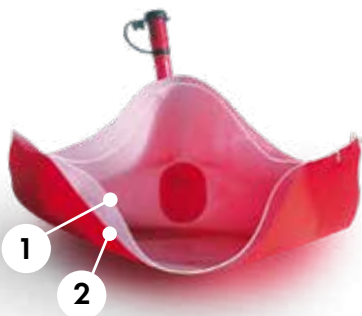
Further advantages:

- Unique 'POSITORQUE' screw system ensures secure and 'shakeproof' installation of the CO₂ cylinder.



For more information about the **manual over-ride** attachment, see 'Accessories' on page 48.

HOW TO BUILD AN INFLATABLE SECUMAR LIFEJACKET



SELF-SEALING BUOYANCY CHAMBER

Inside the buoyancy chamber is another airtight stretch laminate so that if the **outer skin (2)** is punctured the internal gas pressure will force the **inner skin (1)** to overlap the hole and seal the leak.

DUO
Protect[®]
SYSTEM

Sprayhood

Optional equipment.

Emergency Light

Optional equipment.

Retro-Reflective Strips

For better visibility.

Mouthpiece

For oral inflation
and eventual
deflation of chamber.

Lifting Becket

For holding alongside or
lifting up to 320 kg.

Whistle

To generate
attention.



PLB

Optional equipment;
attached with
a lanyard
and held in a pocket.



SPRAYHOOD

Protects from spray and
prevents drowning in 'flying
water', keeps head warm.
Optional equipment.

**MAXIMUM
FLOTATION**
FOR INCREASED
SAFETY.

275 N LIFEJACKETS



Lifejackets in the 275N category are for when you need the most amount of buoyancy, e.g.: when wearing heavy weather clothing or items that might hold air pockets.

These lifejackets are constructed, so that they will give anyone, even if unconscious, the best chance of being rolled onto their back and their head being held high out of the water.



FEATURES 275N-MODELS

- Buoyancy chamber with auto firing mechanism
- Body weight > 50 kg (110 lbs)
- Chest <135 cm (53")
- Click buckle
- 400 cm² 3M® reflective strips
- Lifting becket
- Whistle

SCOUT

P/N 16062

Complies with
WORLD SAILING
Offshore Special Regs

Sprayhood ✓
SOLAS emergency light ✓
Crutch strap ✓



Reflective strips
on outer cover



Soft textile
D-Ring



Pocket for
optional PLB
on buoyancy
chamber.



- High-end inflatable 275N lifejacket for wearers of heavy weather clothing or survival suits.
- Buoyancy chamber with fastest and safest turning moment.
- Modular integration of different PLBs. High mounted on buoyancy chamber for better range.
- Comfortable to wear: low weight on the neck due to the HOVER-System.

CO₂-CYLINDER

60 g Dock (P/N 12507)

BUOYANCY CHAMBER

3D 

APPLICATION

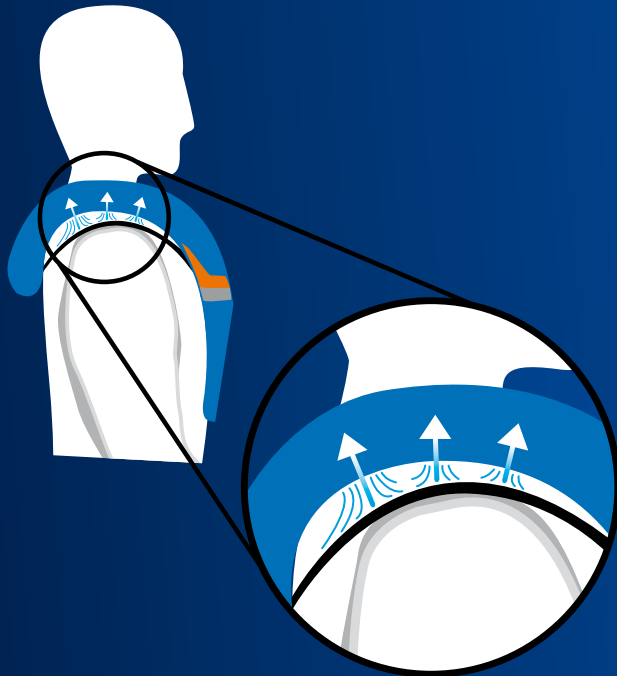


More technical details in the **product overview** on page 42/43.

SECUMAR HOVER SYSTEM

Made possible by sharing the weight
of the lifejacket equally over the shoulder.

- The lifejacket floats on air.
- Only the padded straps
lie on the shoulders.







SURVIVAL 275

SURVIVAL 275 Duo Protect


Duo Protect dark blue/orange: P/N 16699 | dark blue/orange: P/N 16689 | black/orange: P/N 16698




Sprayhood
standard




Exceptional
wearer comfort
through ergo-
nomic pre-shaped
shoulder area









Integral harness
with textile D-Ring



Adjustable
padded back
strap



- Inflatable 275N lifejacket.
- SECUMAR 'winglet' buoyancy chamber for higher freeboard and stability in the water.
- PLB and SOLAS light optional.
- Duo Protect (optional): twin skin buoyancy chamber for double protection against mechanical damage.

CO ₂ -CYLINDER	BUOYANCY CHAMBER	PROTECTION PROTECTION	APPLICATION	
60 g Dock (P/N 12507)		 optional	  	

Also available as **SURVIVAL 220**, see page 24 – More technical details in the **product overview** on page 42/43.

275N-MODELS
19

ARKONA 275

P/N 16376



- Inflatable lifejacket.
- Classic design.
- Flattest shape 275N class lifejacket.

Unique 'Click' front buckle and integral harness



Side adjustment with tags for quick release



White reflective piping



CO ₂ -CYLINDER	BUOYANCY CHAMBER	APPLICATION	
56 g (P/N 929)	CLASSIC	  	

Also available as **ARKONA 220**, see page 24 – More technical details in the **product overview** on page 42/43.





H A V E A
S A F E D A Y

ENJOY LIFE
IN SAFETY.

150N LIFEJACKETS



The 150N category can be regarded as the standard class of lifejackets.

These products offer outstanding buoyancy, are comfortable to wear and ideal for use with lighter clothing in clement weather.



FEATURES 150N-MODELS

- Buoyancy chamber with auto firing mechanism
- Body weight > 50 kg (110 lbs)
- Chest < 135 cm (53")
- Click buckle
- 300 cm² 3M® reflective strips
- Lifting becket
- Whistle

SURVIVAL 220

light blue/blue/orange: P/N 16696 | light grey/grey/orange: P/N 16690



Exceptional
wearer comfort
through
ergonomic
pre-shaped
shoulder area



Integral harness
with textile
D-Ring



Adjustable
padded
back strap



- Inflatable lifejacket.
- Max. buoyancy for 150N class lifejacket.
- SECUMAR 'winglet' buoyancy chamber for higher freeboard and stability in the water.
- PLB and SOLAS light optional.

CO ₂ -CYLINDER	BUOYANCY CHAMBER	APPLICATION	
43 g Dock (P/N 15239)		  	 CE

More technical details in the **product overview** on page 42/43.





ULTRA 170

Hawaiian Ocean/ light grey/orange: P/N 16705








grey/black/orange: P/N 16385



30mm 'Click' buckle with narrower chest belt



- Lightest 150N class lifejacket.
- Flat and light in weight.
- Ideal for motor boaters.

CO ₂ -CYLINDER	BUOYANCY CHAMBER
32 g Dock (P/N 11433)	CLASSIC
APPLICATION	
    	
 	

More technical details in the **product overview** on page 42/43.



ULTRA 170 Harness







Hawaiian Ocean/ light grey/orange: P/N 16707
grey/black/orange: P/N 16348



Unique ,Click' front buckle (50mm) and integral harness



- Lightest 150N class lifejacket.
- Flat and light in weight.
- Ideal for sailors.

CO ₂ -CYLINDER	BUOYANCY CHAMBER
32 g Dock (P/N 11433)	<u>CLASSIC</u>
APPLICATION	
   	
 	

More technical details in the **product overview** on page 42/43.

ARKONA 220






P/N 16375



Unique ,Click' front buckle and integral harness



- Inflatable Lifejacket with classic design.
- Highest buoyancy in 150N class lifejackets.
- Side adjustment with tags for quick release.
- White reflective piping.

CO ₂ -CYLINDER	BUOYANCY CHAMBER
43 g (P/N 14344)	<u>CLASSIC</u>
APPLICATION	
  	
 	

More technical details in the **product overview** on page 42/43.



H A V E A
S A F E D A Y

KIT FOR KIDS



CHILDREN SHOULD NEVER BE WITHOUT A LIFEJACKET!

Our small sailors need an extra helping of safety. SECUMAR offers several different options. When children are near water they should wear a lifejacket, even standing on the dock or fishing with a net. Wearing a lifejacket should be as natural as using a seatbelt in the car - and just as important for the life of your child!



MINI

P/N 15440



Superb wearer comfort through ergonomic pre-shaped shoulder area



Handhold at rear



Child safety: 3-fold front fastening



- Smallest inflatable lifejacket – much more lift than a foam buoyancy aid.
- No discomfort due to comfortable ergonomic fit.
- SECUMAR ,Winglet' buoyancy chamber.
- Twin skin buoyancy chamber for double protection against mechanical damage.
- Integral harness.

CO ₂ -CYLINDER	BUOYANCY CHAMBER	PROTECTION SYSTEM	APPLICATION	
16 g (P/N 901)			     	 

More technical details in the **product overview** on page 44/45.

JUNIOR

P/N 15471



- Inflatable lifejacket 150N for children
- SECUMAR 'Winglet' buoyancy chamber for higher freeboard and stability in the water.
- Twin skin buoyancy chamber for double protection against mechanical damage.

,Twin-skin' safety:
Duo Protect
System



Integral harness
with unique
,Click' front
buckle



Superb wearer
comfort through
ergonomic
pre-shaped
shoulder area



CO ₂ -CYLINDER	BUOYANCY CHAMBER	SYSTÈME DE PROTECTION	APPLICATION						
22g (P/N 925)									<div>150</div> <div>CE</div>

More technical details in the **product overview** on page 44/45.

ARKONA MIDI

P/N 16379










Integral harness



Integral crutch strap



- Inflatable 150N Lifejacket for children.
- Classic design.
- Fleece collar to stop neck abrasion.

CO ₂ -CYLINDER	BUOYANCY CHAMBER	APPLICATION	
22 g (P/N 925)	CLASSIC	     	 








More technical details in the **product overview** on page 44/45.

BRAVO

10–15 kg: P/N 13273 | 20–30 kg: P/N 13275
15–20 kg: P/N 13274 | 30–40 kg: P/N 13276



- Fixed foam lifejacket for children with layered soft SECU foam filling.
- Double crutch strap.

FOAM	
SECU Foam	
APPLICATION	
     	








More technical details in the **product overview** on page 44/45.

BRAVO PRINT

5–10 kg: P/N 13269 | 15–20 kg: P/N 13271
10–15 kg: P/N 13270 | 20–30 kg: P/N 13531



- Top quality fixed foam lifejacket for children with especially soft SECU foam filling
- 5–10 kg and 10–15 kg versions include rear restraining handle and wide panelled crutch strap, 15–20 kg with wide panelled crutch strap only.

FOAM	
SECU Foam Soft	
APPLICATION	
     	

More technical details in the **product overview** on page 44/45.



HAVE A
SAFE DAY

PADDLERS AND ROWERS

OPTIMUM FREEDOM OF MOVEMENT

Rowing, kayak and canoeing are attracting ever more fans so SECUMAR has been developing special products for these disciplines such as CAMINO, VIVO and SECUFIT, designed in collaboration and using the experience of people in the sport. It was with this help that the greatest problem of freedom of movement was overcome so that you can really rely on SECUMAR for safety and happiness on the water.





CAMINO

30-40 kg: P/N 16929
40-70 kg: P/N 16930

70-90 kg: P/N 16931
90-120 kg: P/N 16932



- Premium inherent 50N buoyancy aid for paddlers and rowers as well as renters.
- Skin tight fit with adjustable Velcro strap.
 - Side fasteners within the seam and shoulder area for better fitting.
- Extra soft SECU foam and abrasion-proof material.
 - Size indication shown with coloured labelling at shoulder height.

FOAM	APPLICATION	
SECU Foam Soft	  	<div> 50 </div> <div>  </div>

More technical details in the **product overview** on page 44/45.





VIVO 100

P/N 14224



- Lightest inflatable lifejacket.
- Specifically for rowers – narrow and flat across the chest.
- Reflective strips on the back for better visibility in low-light conditions.
- Chest < 120 cm.

CO ₂ -CYLINDER	BUOYANCY CHAMBER
22 g (P/N 924)	<i>CLASSIC</i>
APPLICATION	
	
	



More technical details in the **product overview** on page 42/43.

VIVO 50

P/N 14253



- Buoyancy aid with laminated soft SECU foam.
- Practical 'one size fits all' with easily adjustable waist straps makes it ideal for clubs, sailing schools or renters.
- Front mesh pocket.

FOAM	APPLICATION
SECU Foam	
	

More technical details in the **product overview** on page 44/45.



SECUFIT









P/N 15732



Freedom
around the neck
with padded
back strap



- Extremely comfortable thanks to ergonomically preformed shoulder area.
- Extreme ease of movement and increased buoyancy with the SECUMAR Winglet system.
- Reflective strips for better visibility in low light conditions.
- Reflective strips front and back.
- Padded outer cover.

CO ₂ -CYLINDER	BUOYANCY CHAMBER
32 g (P/N 927)	 WINGLET
APPLICATION	
     	
	

More technical details in the **product overview** on page 42/43.

A close-up, low-angle shot of a sailboat's white sail and boom against a backdrop of a coastal town and blue water. The sail is the dominant feature on the left, with the boom extending towards the right. The water is a deep blue with some white foam from the boat's wake. In the background, a coastal town with buildings and a bridge is visible under a clear sky.

FOAM BUOYANCY AIDS

FLOTATION AT THE READY – AND EVERY TIME



Lifejackets and buoyancy aids from closed cell foam have an advantage because their buoyancy is permanent and they do not inflate by accident. They are performing well in any activity, such as dinghy sailing, kite or windsurfing, where the wearer is close to water. SECUMAR foam products feature good design and comfortable fit using warm and body protecting materials.



JUMP PRO





30-40 kg: P/N 15196 | 70-90 kg: P/N 15198
40-70 kg: P/N 15197 | 90-120 kg: P/N 15199



with practical
zipped stowage
pocket



- Top-spec 50N dinghy and keelboat buoyancy aid.
- Greater safety with retro reflective strips in fluorescent colour.
- Easy adjustment and double velcro strap.

FOAM	APPLICATION	50N CE
SECU Foam	  	





More technical details in the **product overview** on page 44/45.

JUMP

30-40 kg: P/N 13263 | 70-90 kg: P/N 13265
40-70 kg: P/N 13264 | 90-120 kg: P/N 13266



- Practical 50N buoyancy aid for serious dinghy sailors.
- Skin tight fit with a side closure.
- Good protection due to the foam padding.

FOAM	APPLICATION	50N CE
SECU Foam	  	





More technical details in the **product overview** on page 44/45.

ECHO

30–40 kg: P/N 11666 | 70–90 kg: P/N 11668
40–70 kg: P/N 11667 | 90–120 kg: P/N 11669



- Comfortable, easy to wear 50N class buoyancy aid.
- Easily adjustable waist strap for quick putting on and taking off.
- Particularly suitable for clubs, sailing schools and renters.

FOAM	APPLICATION	
SECU Foam	  	 CE

More technical details in the **product overview** on page 44/45.

BRAVO





40–50 kg: P/N11674 | 70–80 kg: P/N11676
50–70 kg: P/N11675 | 80–120 kg: P/N11677



available in
4 more sizes
for children



- Bright orange 100N lifejacket.
- Ergonomically cut for greater wearer comfort.
- High performance, soft, multi-layer SECU foam.

FOAM	APPLICATION	
SECU Foam	  	 CE

More technical details in the **product overview** on page 44/45.

PRODUCT OVERVIEW

INFLATABLE LIFEJACKETS



	SCOUT	SURVIVAL 275 Duo Protect	SURVIVAL 275		ARKONA 275	SURVIVAL 220	
P/N	16062	16699	dark blue 16689	black 16698	16376	bleu 16696	light grey 16690
Buoyancy chamber type	3D	WINGLET	WINGLET		CLASSIC	WINGLET	
Buoyancy class	275 N	275 N	275 N		275 N	150 N	
Actual buoyancy	290 N	280 N	280 N		280 N	220 N	
Comply to DIN EN ISO	12402-2 and 12401	12402-2 and 12401	12402-2 and 12401		12402-2 and 12401	12402-3 and 12401	
Auto firing mechanism	SECUMATIC 4001S	SECUMATIC 4001S	SECUMATIC 4001S		SECUMATIC 3001S	SECUMATIC 4001S	
CO ₂ -Cylinder (P/N)	60 g Dock (12507)	60 g Dock (12507)	60 g Dock (12507)		56 g (929)	43 g Dock (15239)	
Outer cover closed with	Zip	Zip	Zip		Velcro	Zip	
Integral harness	textile D-Ring	textile D-Ring	textile D-Ring		•	textile D-Ring	
Back section	Padded	Padded, adjustable	Padded, adjustable		Webbing	Padded, adjustable	
Sprayhood	GORE®	Polyamid	Polyamid		–	Polyamid	
SOLAS emergency light	•	◦	◦		◦	◦	
Firing mechanism access zip	•	•	•		–	•	
Inspection window	•	•	•		–	•	
Neck area	Softshell	Softshell	Softshell		–	Softshell	
Crutch strap Simple / 2K CLICK 30	2K / ◦	• / ◦	• / ◦		• / ◦	• / ◦	
Integral pocket for PLB*	•	•	•		◦	•	
For further information, see	page 16	page 19	page 19		page 20	page 24	

* For further information on PLB see www.secumar.com



ARKONA 220	ULTRA 170		ULTRA 170 Harness		SECUFIT	VIVO 100	FREE 100
16375	hawaiian 16705	black 16385	hawaiian 16707	black 16348	15732	14224	15872
CLASSIC	CLASSIC		CLASSIC		WINGLET	CLASSIC	CLASSIC
150 N	150 N		150 N		150 N	100 N	50 N
220 N	165 N		165 N		160 N	110 N	110 N
12402-3 and 12401	12402-3		12402-3 and 12401		12402-3 and -6	12402-4 and -6	12402-5 and -6
SECUMATIC 3001S	SECUMATIC 4001S		SECUMATIC 4001S		SECUMATIC 3001S	SECU 301SM	SECUMATIC S31
43g (14344)	32 g Dock (11433)		32 g Dock (11433)		32 g (927)	22 g (924)	22 g (15866)
Velcro	Velcro		Velcro		Zip	Velcro	Velcro
•	-		•		-	-	-
Webbing	Webbing		Webbing		Padded, adjustable	Webbing	-
-	o		o		-	-	-
o	o		o		o	o	-
-	-		-		-	-	-
-	•		•		-	-	-
-	Fleece		Fleece		Softshell	Fleece	-
•/o	•/o		•/o		•/o	-/-	-/-
o	o		o		-	-	-
page 27	page 26		page 27		page 37	page 36	page 50

PRODUCT OVERVIEW

LIFEJACKETS FOR CHILDREN



	MINI	JUNIOR	ARKONA MIDI	BRAVO	BRAVO PRINT
P/N	15440	15471	16379	see product page	see product page
Buoyancy chamber type	WINGLET	WINGLET	CLASSIC	-	-
Buoyancy class /comply to	150N/ DIN EN ISO 12402-3 and 12401			100N/ DIN EN ISO 12402-4	
Body weight / Actual buoyancy	15-30 kg/ 90 N	20-50 kg/ 110 N	20-50 kg/ 110 N	10-15 kg/30 N 15-20 kg/40 N 20-30 kg/40 N 30-40 kg/50 N	5-10 kg / 30 N 10-15 kg/30 N 15-20 kg/40 N 20-30 kg/40 N
Chest	49 - 72 cm	58 - 82 cm	72 - 90 cm	-	-
Auto firing mechanism / ofixed foam	SECUMATIC 3001S			SECU Foam	SECU Foam Soft
CO ₂ -Cylinder (P/N)	16 g (901)	22 g (925)	22 g (925)	-	-
Whistle	•	•	•	•	•
3M® Retro-reflective strips	300 cm ²	300 cm ²	300 cm ²	100 cm ²	100 cm ²
Integral harness	•	•	•	-	-
Front closure	CLICK 30	CLICK 30	Metall	Plastic	Plastic
Inspection window	-	-	-	-	-
Neck area	Micro-Fleece	Micro-Fleece	Fleece	-	-
Back section	Webbing	Webbing	Webbing	Webbing	Webbing
Lifting strop	•	•	•	-	-
SOLAS emergency light	◦	◦	◦	-	-
Crutch strap	•	•	•	double	•
For further information, see	page 30	page 31	page 32	page 33	page 33

FOAM BUOYANCY AIDS



NEW

	JUMP PRO	JUMP	ECHO	BRAVO	VIVO 50	CAMINO
Buoyancy class / comply to	50 N/ DIN EN ISO 12402-5		50 N/ DIN EN ISO 12402-5	100 N/ DIN EN ISO 12402-4	50 N/ DIN EN ISO 12402-5	50 N/ DIN EN ISO 12402-5
Body weight / Actual buoyancy	30-40 kg / 35 N 40-70 kg / 45 N 70-90 kg / 50 N 90-120 kg / 50 N		30-40 kg / 35 N 40-70 kg / 45 N 70-90 kg / 50 N 90-120 kg / 50 N	40-50 kg / 60 N 50-70 kg / 80 N 70-80 kg / 100 N 80-120 kg / 100 N	> 40 kg / 50 N	30-40 kg / 35 N 40-70 kg / 45 N 70-90 kg / 50 N 90-120 kg / 50 N
Fixed SECU Foam	•	•	•	•	•	SECU Foam Soft
Closure						
... Zip	•	•	•	•	-	•
... Velcro	•	•	-	-	-	•
... Cord	-	•	•	-	-	-
... Plastic buckles	-	-	•	•	-	-
Whistle	-	-	-	•	-	-
3M® Retro-reflective strips	•	•	-	100 cm ²	-	-
Adjustable waist belt	•	•	•	•	•	•
Crutch strap	-	-	-	double	•	-
Front zipped pocket	•	•	-	-	-	-
Plastic storage bag	•	•	•	•	•	•
For further information, see	page 40	page 40	page 41	page 41	page 36	page 35

MAINTENANCE AND SERVICE

The regular inspection of all equipment that is concerned with the safety of life is essential. None more, than for lifejackets where the natural ageing process of the materials degrades them causing impairments in their automatic inflation and use. This is why your lifejacket should be returned to an authorized service agent or the manufacturer, to be checked every two years until the end of its ten year service life. After a successful service check your lifejacket gets a new FSR Service Disc – similar to your car's MOT!



As well as any professional servicing, we would always recommend checking the state of readiness of your lifejacket at the beginning of every season, the details for which can be found in the Instruction Manual.

EVERY TWO YEARS!

- Check for any mechanical damage (rips, abrasion, porosity etc).
- 16 hr inflation and residual pressure test with pressure gauge.
- Water activating the auto inflator and checking mechanism with specialist tools.
- Check manual firing mechanism with specialist tools.
- Check oral tube and valve for damage, porosity and air-tightness.
- Replace all gaskets.
- Replace firing pill.
- Rebuild using electronically controlled torque wrench.
- Check seams, webbing and all fastenings.
- Check CO₂ cylinder for contents and external damage (e.g.: corrosion).

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ORIGINAL ACCESSORIES

LIFEJACKET LIGHT



SECULUX LED (P/N 16104):
SOLAS auto emergency flashing light, 75cm cable between battery and light.
Battery capacity: circa 10.5 hrs giving 1.5 candela.
Battery life: 5 years from date of manufacture.

ANTI-INVERSION CUSHION



For hoisting to the masthead. Black. The inflated cushion keeps the masthead afloat preventing inversion. Also avoids total swamping if fitted under the gunwhales of keelboats.

KSK 20 (P/N 720): Vol. 20 l, 600 g, size before inflation 38 x 11 cm, 38 g CO₂ cartridge.

KSK 40 (P/N 724): Vol. 40 l, 820 g, size before inflation 50 x 11 cm, 75 g CO₂ cartridge.

SAFETY LANYARDS

To avoid falling overboard, well prepared skippers clip themselves and their crew on before bad weather hits or visibility gets worse.



CLASSIC SAFETY LANYARD (P/N 16343):
3-point lanyard to DIN EN ISO 12401 with WICHARD snap hooks and overload indicator. Black/orange, for persons over 50kg.



JUNIOR SAFETY LANYARD (P/N 16341):
Safety lanyard with top quality WICHARD snap hook and lanyard to DIN EN ISO 12401. Black/orange, for children up to 50kg.

EMERGENCY LIGHT



SECULUX L 92 (P/N 10020):
Very bright SOLAS constant light, 2 hrs duration, automatic activation upon righting, stable waterproof buoyant casing, drop tested to 35 m, with holder.

Optional extra:
Mono-Cells, stainless steel holder L92.

ULTRA 170 PACK



ULTRA 170 Pack (P/N 16709):
Consisting of SECULUX LED emergency light and nylon sprayhood.

MANUAL OVERRIDE



Manual Override for SECUMATIC 4001S (P/N 11899):
for switching off the automatic inflation function on your lifejacket.

Manual Override for SECUMATIC 3001S (P/N 12077):
with warning flag which is visible on the protective cover of the lifejacket when it is fitted.

RECOVERY AID



SECULIFT LWS 25 (P/N 985):
Rescue and recovery aid, comprising rescue sling (3 adjustable settings), rescue sheet and 25 m buoyant line in a throw bag.

With the SECULIFT you can make the first contact with a man overboard. The line becomes a 5 m long stable rescue sheet, at the end of which is an adjustable rescue sling (3 settings). With the help of a halyard or used directly on a winch, the SECULIFT is a real recovery aid for a small crew.

CO₂-CARTRIDGES



Scan the
QR-Code for the
right replacement

CO₂-re-arming kits
with 2 pills and pins for SECUMATIC 3001S:
16 g, 22 g, 32 g, 38 g, 43 g, 56 g, 75 g

CO₂-dock for SECUMATIC 4001S bayonet system
with two activating pills in pill cage version:
32 g-Dock, 43 g-Dock, 56 g-Dock, 60 g-Dock

CRUTCH STRAP



Crutch Strap 2K CLICK 30 (P/N 14693):

Single strap, can be retro-fitted to all lifejackets since 2003 with crutch strap loops. Has two stainless steel links, separated by belt fastener.

PILLS



Pills for Inflator SECUMATIC 3001S (P/N 13024):
Blister pack with 4 pills.

PILL CAGE SECUMATIC 4001S (P/N 11435):
Blister pack set of 4 pills in enclosed PILL CAGE version, Spares set for simple replacement of the activating pill in the 4001S.

SECU 17 | MOB-PACKET



SECU 17 (P/N 410-01):

Classic closed cell foam rescue lifejacket — indestructible and essential. Offers a quick connection from the boat to the casualty when used in combination with the rescue line.

3M® reflective strips, tie straps through the flotation body and made of signal yellow PE closed-cell foam. Around 165N, from 45 kg.

MOB-Pack (P/N 11142-02): MOB Bag (58 cm x 42 cm x 17 cm) with top cover and fixing straps complete with 30 m floating heaving line offering a better and more practical solution than other rescue slings.



Recommended extras: Emergency light SECULUX L92, Lifting strap SECULIFT LWS25, drogue.

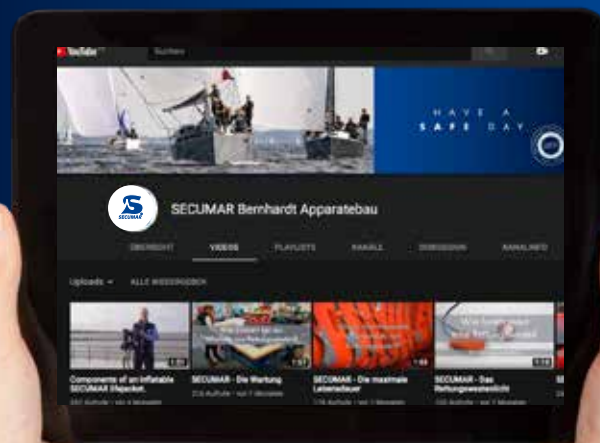
HOW TO RE-PACK YOUR LIFEJACKET

Your lifejacket has successfully inflated and you need help re-packing it?

No problem! On our YouTube® channel you can find instruction videos for re-packing for all our lifejackets.

Please visit our website or YouTube® channel for further information:

www.youtube.com/BernhardtApparatebau



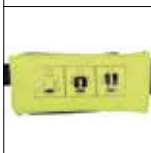
FREE 100

P/N 15872

- Inflatable rescue aid
- Fully certified inflatable buoyancy chamber
- Easily ,re-armed' using replaceable CO₂ cylinder
- Weight: only 500g



3 safety
pictograms
on the back




Deflation tag
in pocket



Yellow handle
to assist ,over the head'
in emergency



CO ₂ -CYLINDER	BUOYANCY CHAMBER	APPLICATION	<div>50</div> <div>CE</div>
22 g (P/N 15866)	CLASSIC	 	

More technical details in the **product overview** on page 42/43.



OUR GOAL: YOUR SAFETY ON THE WATER.



Ongoing research, sophisticated quality management und „Made in Germany“ should leave you in no doubt about your SECUMAR lifejacket.

Safety at sea - SECURitas in MARE - is not only the inspiration for our name but also our credo at work, to make watersports safer all over the world. Everything from the first concept, design und manufacturing through to servicing of the products takes place in our state-of-the art facility in Holm just outside Hamburg in Germany.

Around 100 highly skilled staff use their knowledge und experience to maintain the highest quality standards, thereby keeping SECUMAR products as world leaders in sea safety equipment.



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SECUMAR is a member of the German association of manufacturers und importers of life-saving und rescue equipment (FSR) an union of suppliers und importers of all water rescue equipment. For further information, see www.fsr.de

