



Product Service

EU-Type Examination Certificate

No. P6A 086896 0006 Rev. 00

Holder of Certificate: **K2 Sports USA**
 4201 4201 6th Avenue South
 Seattle 98108-1702
 USA

Product: **PPE against drowning**
Personal Protective Equipment against burying in a snow avalanche

Model(s): **BCA Float 2.0 in backpack collection 2018:**
 -BCA Float 12
 -BCA Float 22
 -BCA Float 32
 -BCA Float 42
 -BCA Float Turbo 15
 -BCA Float Turbo 25

Tested according to: DIN EN 16716:2017

The Certification Body of TÜV SÜD Product Service GmbH confirms that the listed product fulfils the basic requirements with Annex V (Module B) of Regulation (EU) 2016/425 on personal protective equipment according to Article 19 (PPE of category II). This certificate refers only to the submitted sample for testing and certification and on its technical documentation. See also notes overleaf.

Test report no.: 713131362

Valid until: 2023-08-20

Date, 2018-10-23


 (Matthias Völz)

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Product:	BCA Float 2.0 Avalanche airbag system in snow avalanche airbag backpack;
Versions:	-BCA Float 12: 12 litres backpack volume; -BCA Float 22: 22 litres backpack volume; -BCA Float 32: 32 litres backpack volume; -BCA Float 42: 42 litres backpack volume; -BCA Float Turbo 15: 15 litres backpack volume; -BCA Float Turbo 25: 25 litres backpack volume;
Function Principle:	An airbag which improves buoyancy and floatability in a floating snow avalanche, what improves the probability of staying on the surface significantly (effect of inverse segregation). Activation of airbag filling by the user via pulling a release handle, what activates via steel wire cable a valve at the refillable pressure gas cylinder, which releases high pressured air to the ejector where via Venturi effect the airbag ballon is filled;
Airbag volume:	154,6 liters in 1 balloon;
Filling principle:	Pressure gas filling combined with Venturi valve effect;
Pressure gas cartridge:	pressure gas cylinder with deployment valve and pressure gauge and plastic cover;
Pressure gas cylinder:	207 bar seamless aluminium alloy gas cylinder, 0,36 l volume; refillable; filled with compressed air (TPED Dir. test certificate no.: 01 202 322/B-160025-01-T; TÜV Rheinland);
deployment valve:	aluminium block screwed on pressure gas cylinder with attachments for deployment cable (from deployment handle), bajonette clutch for ejector and attachment for refill station; with pressure gauge with "green zone" and plastic cover; with indicator for activated valve (5 mm pin comes out) (Pi-mark test certificate no.: 12/TW/2936-4-REV 0; APRA-GAZ); deployment cable is screwed on deployment pin over which a metal cover is screwed;
Airbag system:	one airbag balloon; airbag components can be removed from the backpack by detaching 5 aluminium T-bars from textile loops;
Activating system:	deployment handle release with a 1,2 mm stainless steel cable to release valve on pressure gas cylinder;

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Deployment handle:	un-foldable, orange-black plastic handle, Ø40 mm x 79 mm; handle fixed on shoulder strap with plastic clip on textile loop; adjustable in 2 positions; deployment by pulling deployment handle: inside fixed cable moves out for app. 10 mm; positioned at shoulder strap with cover bag;
Ejector (Airbag inflation system):	device where deployment handle, pressure gas cartridge and airbag are attached to; with textile net bag covered plastic box for venturi input and air release; fixed on top of inner backpack backside; 215 mm long; Venturi tube Ø40 mm; manual air release with finger by putting it in on membrane valve of input plastic box; with "neck collar";
Airbag position:	balloon integrated in a pocket on top of the inner backside of backpack; burst zipper cover with release point on left side;
Airbag:	U-shaped airbag balloon with 1 chamber; coated PA fabric in orange colour, stitched and sealed (taped); connected to ejector tube with glued cap;
Backpack fixation of airbag:	connected to five 42 mm wide aluminium T-bars on 20 mm webbing loops with five 38 mm wide webbing loops made of 10 mm wide webbing on airbag bladder;
Backpack fixation at user:	2 shoulder straps with chest strap, 1 hip belt and 1 leg belt;
Marking:	-on the backpack: type; CE, "read instructions" pictogram, manufacturer address; package pictograms, inspection checklist, serial no., lot no. manufacturing date; -on the airbag: airbag system type, folding instruction pictogram, correct system attachment pictogram;
Backpacks:	div. versions for cross country skiing/ snowboarding with one airbag stuffed in an extra pocket at the top of backside of backpack frame and with pressure gas cartridge and ejector fixed on the inner back plate; main bag for gear storage; fixation buckles and slings for skis, snowboards, helmet and ice tools; storage for probe and shovel; aluminium plug-in buckle at hip belt; plastic buckles at shoulder straps, plastic buckles at chest strap and aluminium adjustment buckle at leg loop; one size;

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Weight:	<ul style="list-style-type: none"> -Avalanche airbag system Float 2.0 (Airbag, ejector and deployment handle): 660 g; -pressure gas cartridge: 554 g (full) -backpacks (all without avalanche airbag system and without pressure gas cartridge): -BCA Float 12: 1450 g -BCA Float 22: 1635 g -BCA Float 32: 1725 g -BCA Float 42: 1970 g -BCA Float Turbo 15: 1590 g -BCA Float Turbo 25: 1815 g
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backpack with opened airbag



undeployed airbag system with cartridge, Venturi unit and packed airbag



refill-able pressure gas cartridge with valve (including pressure gauge) and cylinder

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Backpack models:

BCA Float 12:



BCA Float 22:



BCA Float 32:



BCA Float 42:



BCA Float Turbo 15:



(without shovel)

BCA Float Turbo 25:



(without shovel)

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Product Service

EU-Type Examination Certificate

No. P6A 086896 0007 Rev. 00

Holder of Certificate: **K2 Sports USA**
Suite 300
413 Pine Street
Seattle 98101
USA

Product: **Personal Protective Equipment against burying in a snow avalanche**

Avalanche airbag system in snow avalanche airbag vests, EN 16716

Model(s): **BCA Float 2.0 in vest collection 2019:**
- BCA Float MTN PRO Vest M/L
- BCA Float MTN PRO Vest XL/XXL

Tested according to: EN 16716:2017

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Test report no.: 713157944

Valid until: 2024-08-28

Date, 2019-08-29

(Thomas Michael Maier)



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No. P6A 086896 0007 Rev. 00

Parameters:

Function Principle:	An airbag which improves buoyancy and floatability in a floating snow avalanche, what improves the probability of staying on the surface significantly (effect of inverse segregation). Activation of airbag filling by the user via pulling a release handle, what activates via steel wire cable a valve at the refillable pressure gas cylinder, which releases high pressured air to the ejector where via Venturi effect the airbag ballon is filled;
Airbag volume:	154,6 liters in 1 balloon;
Filling principle:	Pressure gas filling combined with Venturi valve effect;
Marking:	-on the vest: type; CE, "read instructions" pictogram, manufacturer address; package pictograms, inspection checklist, serial no., lot no. manufacturing date; size; -on the airbag: airbag system type, folding instruction pictogram, correct system attachment pictogram;
Vests:	div. versions for cross country skiing/ snowboarding, skidooring with one airbag stuffed in an extra pocket at the top of backside of vest frame and with pressure gas cartridge and ejector fixed on the inner back plate; main bag for gear storage; fixation buckles and slings for skis, snowboards, helmet and ice tools; storage for probe and shovel; plastic plug-in buckle at hip belt; and plastic adjustment buckle at leg loop; one size per model;
Weight:	-Avalanche airbag system Float 2.0 (Airbag, ejector and deployment handle): 660 g; -pressure gas cartridge: 554 g (full) -vests (all with avalanche airbag system and without pressure gas cartridge): -BCA Float MTN PRO Vest M/L: 3110 g -BCA Float MTN PRO Vest XL/ XXL: 3166 g

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vest with opened airbag (carrying system test)



undeployed airbag system with cartridge, Venturi unit and packed airbag



refill-able pressure gas cartridge with valve (including pressure gauge) and cylinder

Vest models:

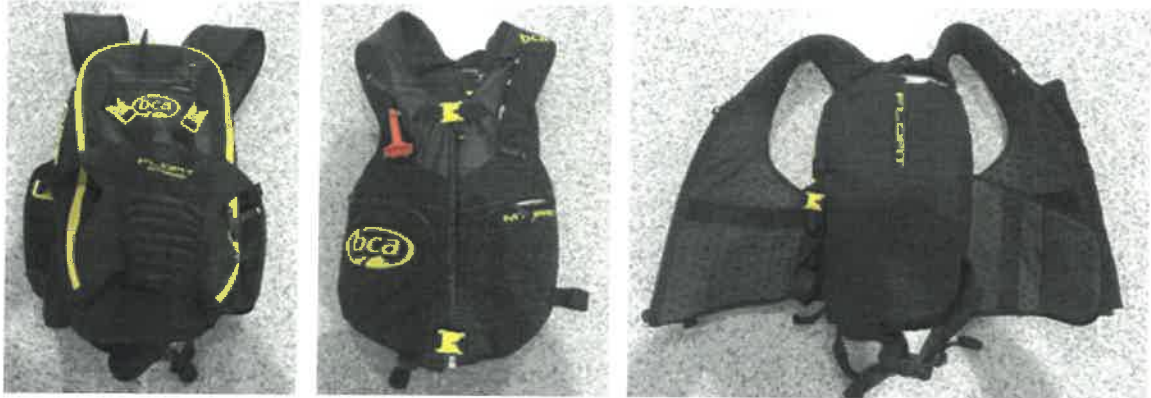
BCA Foat MTN PRO Vest M/L:



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BCA Float MNT PRO Vest XL/XXL:



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