

EU-Type Examination Certificate

No. P6A 026000 0055 Rev. 00

Holder of Certificate: Deuter Sport GmbH

Daimlerstr. 23
86368 Gersthofen
GERMANY

Product: Personal Protective Equipment against burying
in a snow avalanche

Alpride E2 System

Model(s): DEUTER Alproof Lite 20 SL
DEUTER Alproof Lite 22
DEUTER Alproof Lite 30 SL
DEUTER Alproof Lite 32

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.
For details see: www.tuvsud.com/ps-cert

Test report no.: 713220131

Valid until: 2027-05-11

Date, 2022-05-12



(Matthias Völz)

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Parameters:

Product:	Alpride Avalanche Airbag System E2; Electric driven avalanche airbag system in snow avalanche airbag backpack;
in backpack models:	-DEUTER Alproof Lite 20SL: 20 litres backpack volume; short length; -DEUTER Alproof Lite 22: 22 litres backpack volume; -DEUTER Alproof 30SL: 30 litres backpack volume; short length; -DEUTER Alproof 32: 32 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 and switch the motor of the fan, which blows air into airbag bladder;
Airbag volume:	162 liters;
Filling principle:	electric motor driven fan blows air in airbag bladder; energy submitted via supercapacitors which can be charged via Mini-USB or 2 AA-batteries.
Airbag fixation on backback:	fixed with 5 pockets of 18 mm wide textile webbing on the airbag to five 45 mm wide, 3 mm thick aluminium T-bar hooks with 20 mm wide webbing at the inner back part of the backpack; webbings stitched with bar tacks to shoulder straps and hip belt;
Activating system:	plastic deployment handle release with a 1.0 mm steel cable connection to release switch of fan; deployment handle positioned at left/ right shoulder strap padding under zipper cover;
Deployment handle:	un-foldable plastic handle, 67,5 mm x 62 mm x 26 mm; handle fixed on shoulder strap with plastic hook in textile loop; adjustable in 3 size positions; deployment by pulling deployment handle: inner part moves out for app. 12 mm against spring; positioned at shoulder straps, with cover bag;
Airbag position:	balloon integrated in a pocket on the upper area under the main bag of backpack; fixed with 5 aluminium T-bar hooks; zipper cover with release point on top of backpack.
Airbag:	U-shaped airbag balloon made of PA fabric in orange colour, stitched and sealed; connected to fan tube with special steel clamp; detachable with 5 aluminium T-bar hooks in textile loops;
Inflator (Airbag inflation system):	device where deployment handle, fan and airbag are attached to; with plastic box for electronic, capacitors, fan with motor, LED display, on-off-switch and air release knob, battery case and Mini-USB socket; fixed in inner backpack on the side; in textile basket with net sides and zippers; 225 mm x 120 mm;

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Backpack fixation at user:	2 shoulder straps with chest strap, 1 hip belt and 1 leg belt;
Marking:	-on the backpack: model; manufacturing date; CE-marking, "read instructions"-logo; manufacturer address; folding instruction; information how to install and detach airbag system; warning, to install airbag device before avalanche terrain; information about which airbag-system to use; -on the airbag: Manufacturer with address; CE marking, "read instructions"-logo; web-link for user's manual; -on the inflator: Manufacturer; AA-battery direction; "on-off" on switch; LED Display;
Backpacks:	for cross country skiing/ snowboarding with airbag stuffed in an extra chamber at the upper backpack frame; main bag contents ejector in fabric cover with zippers; fixation buckles and slings for skis, snowboards, helmet and ice tools; storage for probe and shovel; aluminium plug-in buckle at hip belt; aluminium buckles at shoulder straps, plastic chest strap buckle and aluminium leg loop buckle and leg loop carabiner; one size;
Extras:	3 minutes after deployment airbag valve opens to reduce inner airbag pressure;
Weight:	Alpride E2 System: 1145 g (without 2 AA-batteries, without backpack);



undeployed airbag system with inflator unit and unpacked/ packed airbag

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inflator unit



deployed airbag backpack

Backpack models:

-DEUTER Alproof Lite 20SL:



-DEUTER Alproof Lite 22:



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-DEUTER Alproof 30SL:



-DEUTER Alproof 32:

