

spinlock

Dear Spinlock Owner,

Firstly thank you for purchasing one of our Deckvest lifejackets, we hope you enjoy wearing it.

Many of our customers use the Deckvest as a personal piece of kit and as such travel widely with it, however some airlines might question the ability to fly with compressed CO2 gas bottles.

For clarity the official rules for this are set by the International Air Transport Association (**IATA**) in the most recently published Dangerous Goods Regulations and guidelines:

Section 2.3.4.2.1 – Small cartridges fitted into a self-inflating safety device such as a life-jackets or vest:

- No more than one personal safety device per person;
- The personal safety device must be packed in such a manner that it cannot be accidentally activated;
- Limited to carbon dioxide or other suitable gas in Division 2.2 without subsidiary risk
- Cartridge(s) must be for inflation purposes;
- The device must be fitted with no more than two small cartridges and
- Not more than two spare cartridges

The CO2 cylinders may be carried either as carry-on baggage, checked (hold) baggage or in person only with prior approval of the airline.

Below is the specification of the CO2 cylinders in case you are required to present it to an airline.

All of our CO2 cylinders are tested and guaranteed to the following specifications:

1. Weight – 16g, 20g, 33g or 60g CO2 cylinders
2. Burst pressure - minimum of 560 Bar
3. External pressure - tested to 250 Bar
4. Internal pressure - filled to 60 Bar at 20 centigrade (fill ratio 75% max)

*If an airline still refuses to allow the cylinders then it is simple to unzip the cover and remove the CO2 bottle. Replacement 33g cylinders can be purchased in most marine locations.



Myles Uren

Spinlock Product Manager

The approval of the operator is required				
Alcoholic beverages, when in retail packagings, containing more than 24% but not more than 70% alcohol by volume, in receptacles not exceeding 5 L, with a total net quantity per person of 5 L.	NO	YES	YES	NO
Note: <i>Alcoholic beverages containing 24% or less alcohol by volume are not subject to any restrictions.</i>				
Ammunition, securely packaged (in Div. 1.4S, UN 0012 or UN 0014 only), in quantities not exceeding 5 kg gross weight per person for that person's own use. Allowances for more than one person must not be combined into one or more packages.	YES	YES	NO	NO
Avalanche rescue backpack, one (1) per person, containing cartridges of compressed gas in Div. 2.2. May also be equipped with a pyrotechnic trigger mechanism containing no more than 200 mg net of Div. 1.4S. The backpack must be packed in such a manner that it cannot be accidentally activated. The airbags within the backpacks must be fitted with pressure relief valves.	YES	YES	YES	NO
Baggage with installed lithium batteries non-removable batteries exceeding—0.3 g lithium metal or 2.7 Wh.	FORBIDDEN			
Baggage with installed lithium batteries:	NO	YES	YES	NO
– non-removable batteries. Batteries must contain no more than 0.3 g lithium metal or for lithium ion must not exceed 2.7 Wh;				
– removable batteries. Batteries must be removed if baggage is to be checked in. Removed batteries must be carried in the cabin.				
Batteries, spare/loose, including lithium batteries, non-spillable batteries, nickel-metal hydride batteries and dry batteries (see 2.3.5.8) for portable electronic devices must be carried in carry-on baggage only. Articles which have the primary purpose as a power source, e.g. power banks are considered as spare batteries. These batteries must be individually protected to prevent short circuits.	NO*	NO	YES	NO
Lithium metal batteries: the lithium metal content must not exceed 2 g (see 2.3.5.8.4).				
Lithium ion batteries: the Watt-hour rating must not exceed 100 Wh (see 2.3.5.8.4).				
Each person is limited to a maximum of 20 spare batteries.				
*The operator may approve the carriage of more than 20 batteries.				
Non-spillable batteries: must be 12 V or less and 100 Wh or less. Each person is limited to a maximum of 2 spare batteries (see 2.3.5.8.5).				
Camping stoves and fuel containers that have contained a flammable liquid fuel, with empty fuel tank and/or fuel container (see 2.3.2.5 for details).	YES	YES	NO	NO
Chemical Agent Monitoring Equipment, when carried by staff members of the Organization for the Prohibition of Chemical Weapons on official travel (see 2.3.4.4).	YES	YES	YES	NO
Disabling devices such as mace, pepper spray, etc. containing an irritant or incapacitating substance are forbidden on the person, in checked and carry-on baggage.	FORBIDDEN			
Dry ice (carbon dioxide, solid), in quantities not exceeding 2.5 kg per person when used to pack perishables not subject to these Regulations in checked or carry-on baggage, provided the baggage (package) permits the release of carbon dioxide gas. Checked baggage must be marked "dry ice" or "carbon dioxide, solid" and with the net weight of dry ice or an indication that there is 2.5 kg or less dry ice.	YES	YES	YES	NO
e-cigarettes (including e-cigs, e-pipes, other personal vaporizers) containing batteries must be individually protected to prevent accidental activation (see 2.3.5.8.2).	NO	NO	YES	NO
Electro shock weapons (e.g. Tasers) containing dangerous goods such as explosives, compressed gases, lithium batteries, etc. are forbidden in carry-on baggage or checked baggage or on the person.	FORBIDDEN			
Fuel cells containing fuel, powering portable electronic devices (e.g. cameras, cellular phones, laptop computers and camcorders), see 2.3.5.9 for details.	NO	NO	YES	NO
Fuel cell cartridges, spare for portable electronic devices, see 2.3.5.9 for details.	NO	YES	YES	NO
Gas cartridges, small, non-flammable containing carbon dioxide or other suitable gas in Division 2.2. Up to two (2) small cartridges fitted into a self-inflating personal safety device, intended to be worn by a person, such as a life jacket or vest. Not more than two (2) devices per passenger and up to two (2) spare small cartridges per device, for other devices not more than four (4) cartridges up to 50 mL water capacity. (see 2.3.4.2).	YES	YES	YES	NO
Gas cylinders, non-flammable, non-toxic worn for the operation of mechanical limbs. Also, spare cylinders of a similar size if required to ensure an adequate supply for the duration of the journey.	NO	YES	YES	NO
Hair styling equipment containing a hydrocarbon gas cartridge, up to one (1) per passenger or crew-member, provided that the safety cover is securely fitted over the heating element. This hair styling equipment must not be used on board the aircraft. Spare gas cartridges for such hair styling equipment are not permitted in checked or carry-on baggage.	NO	YES	YES	NO

Lights and Batteries

Your Deckvest might also contain a small lithium battery if emergency lights are fitted. These are also approved as they are compliant to table 2.3.A

Lithium Batteries: Portable electronic devices (PED) containing lithium metal or lithium ion cells or electronics such as cameras, mobile phones, laptops and tablets (see 2.3.5.8).

For lithium metal batteries the lithium metal content must not exceed 2 g and for lithium ion batteries the Watt-hour rating must not exceed 100Wh. Devices must be protected from damage and inadvertent activation. Those in checked baggage must be completely switched off. Each person is limited to a maximum of 15 PED.

*The operator may approve the carriage of more than 15 PED.

The battery specification is:

CR2 (CR152270) Lithium Manganese Dioxide Battery: 3.0V 1000mAh

TABLE 2.3.A
Provisions for Dangerous Goods Carried by Passengers or Crew
(Subsection 2.3) (continued)

The pilot-in-command must be informed of the location				
Permitted in or as carry-on baggage				
Permitted in or as checked baggage				
The approval of the operator is required				
Insulated packagings containing refrigerated liquid nitrogen (dry shipper), fully absorbed in a porous material containing only non-dangerous goods.	NO	YES	YES	NO
Internal combustion or fuel cell engines, must meet A70 (see 2.3.5.12 for details).	NO	YES	NO	NO
△ Lithium Batteries: Portable electronic devices (PED) containing lithium metal or lithium ion cells or batteries , including medical devices such as portable oxygen concentrators (POC) and consumer electronics such as cameras, mobile phones, laptops and tablets (see 2.3.5.8). For lithium metal batteries the lithium metal content must not exceed 2 g and for lithium ion batteries the Watt-hour rating must not exceed 100 Wh. Devices must be protected from damage and inadvertent activation. Those in checked baggage must be completely switched off. Each person is limited to a maximum of 15 PED. *The operator may approve the carriage of more than 15 PED.	NO*	YES	YES	NO
△ Lithium batteries, spare/loose, including power banks, see Batteries, spare/loose				
Lithium battery-powered electronic devices. Lithium ion batteries for portable (including medical) electronic devices, a Wh rating exceeding 100 Wh but not exceeding 160 Wh. For portable medical electronic devices only, lithium metal batteries with a lithium metal content exceeding 2 g but not exceeding 8 g. Devices must be protected from damage. Devices in checked baggage must be completely switched off.	YES	YES	YES	NO

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