

Air transport according to the International Air Transport Association (IATA)

For any shipment, the 2 yellow thread protectors must be in place. The cylinder must always be shipped within the Snowpulse pack or in its original packaging.

Transport of a Snowpulse airbag with a European (300 bar) cylinder under pressure is allowed for private purpose but it is required that you declare the airbag before check-in. (norm OACI under the description of « **Avalanche Rescue Backpack** » **reference: IATA-DGR. Table. 2.3. A**). Despite air transport of the European cylinder is allowed regarding the IATA worldwide regulation, you must follow the regulation of your country; the European cylinder is for example not allowed in Canada nor USA. Following status of the regulation in 2008, the airbag sold in Europe with its 300 bar cylinder is accepted for air transport all over Europe

Transport of a Snowpulse airbag with an American (3000 PSI) cylinder under pressure is regulated and is allowed only for transport linked to rescue missions (and that for any country). Only in Canada the transportation of a Snowpulse airbag with the American Cartridge is allowed for air transportation as the system is classify as UN2990 LIFE-SAVING APPLIANCES, SELF-INFLATING. This includes heli-skiing activities.

In other countries it is always possible to empty the cylinder by triggering the airbag. In fact, an empty cylinder is allowed. Never try to empty a cylinder by any other means than deploying the airbag using the trigger handle.

Cylinder shipment

Freight companies must be made aware of the content of your shipment. It is your responsibility to respect the regulations within your country. In most cases it is required that if you are shipping a full cylinder it must be properly labelled as a dangerous good. **Below is a list of information which your carrier may require:**

Snowpulse cylinders are a dangerous good according to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

ONU official number :	UN 1002
Official designation :	Compressed air, 2,
Official label :	2.2
Classification :	2
Small quantity notification :	Exemption :

Transport not overpassing free limits described in chapter 1.1.3.6".



Dangerous Goods Regulations

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

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Dangerous goods must not be carried in or as passengers or crew, checked or carry-on baggage, except as otherwise provided below.

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2.3

Permitted in or as carry-on baggage					
Permitted in or as checked baggage					
Permitted on one's person					
The approval of the operator(s) is required					
The pilot-in-command must be informed of the location					
NO	NO	NO	n/a	n/a	Disabling devices such as mace, pepper spray, etc. containing an irritant or incapacitating substance are prohibited on the person, in checked and carry-on baggage.
NO	NO	NO	n/a	n/a	Security-type attaché cases, cash boxes, cash bags , etc. incorporating dangerous goods, such as lithium batteries and/or pyrotechnic material, are totally forbidden. See entry in 4.2 - List of Dangerous Goods.
NO	YES	NO	YES	NO	Ammunition (cartridges for weapons), securely packaged (in Division 1.4S, UN 0012 or UN 0014 only), in quantities not exceeding 5 kg (11 lb) gross weight per person for that person's own use, excluding ammunition with explosive or incendiary projectiles. Allowances for more than one passenger must not be combined into one or more packages.
NO	YES	NO	YES	NO	Camping stoves and fuel containers that have contained a flammable liquid fuel , may be carried provided the fuel tank of the camping stove and/or fuel container has been completely drained of all liquid fuel and action has been taken to nullify the danger. (See 2.3.2.5 for details).
YES	YES	NO	YES	NO	Carbon dioxide, solid (dry ice) , in quantities not exceeding 2.5 kg (5 lb) per passenger when used to pack perishables not subject to these Regulations in carry-on baggage, provided the package permits the release of carbon dioxide gas. Dry ice in checked baggage requires operator approval and each item of 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.
NO	YES	NO	YES	NO	Wheelchairs or other battery-powered mobility devices with non-spillable batteries (see Packing Instruction 806 and Special Provision A67), provided that the battery is disconnected, the battery terminals are insulated to prevent accidental short circuits and the battery is securely attached to the wheelchair or mobility aid. <i>Note: Wheelchairs/mobility aids with gel type batteries do not require the battery to be disconnected provided the battery terminals are insulated to prevent accidental short circuits.</i>
NO	YES	NO	YES	YES	Wheelchairs or other battery-powered mobility devices with spillable batteries. (See 2.3.2.4 for details.)
YES	NO	NO	YES	NO	Heat producing articles such as underwater torches (diving lamps) and soldering irons. (See 2.3.3.2 for details.)
YES	NO	NO	YES	YES	Mercury barometer or thermometer carried by a representative of a government weather bureau or similar official agency. (See 2.3.3.1 for details.)
YES	YES	NO	YES	NO	Avalanche rescue backpack , one (1) per passenger, equipped with a pyrotechnic trigger mechanism containing less than 200 mg net of Division 1.4S and less than 250 mL of compressed gas in Division 2.2. 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	NO	YES	NO	Insulated packagings containing refrigerated liquid nitrogen (dry shipper) , fully absorbed in a porous material and intended for transport, at low temperature, of non-dangerous products are not subject to these Regulations provided the design of the insulated packaging would not allow the build-up of pressure within the container and would not permit the release of any refrigerated liquid nitrogen irrespective of the orientation of the insulated packaging.

Note: n/a means not applicable

Data Sheet of Snowpulse Airbag System

Cylinder Europe

Content	249 ml (Div 2.2)
Filling	Compressed Air
Filling Pressure (=Work Pressure)	300 bar (=4500 PSI)
Testing Pressure	500 bar
Cracking Pressure	>800 bar
Material	Steel
Marking	Pi

Cylinder North America

Content	360 ml (Div 2.2)
Filling	Compressed Air
Filling Pressure (=Work Pressure)	207 bar (=3000 PSI)
Testing Pressure	350 bar
Cracking Pressure	>500 bar
Material	Aluminium
Markings	Pi + DOT + TC

Trigger System

The Snowpulse Airbag System DO NOT USES any pyrotechnic component. Trigger of the system is done through a steel wire.