

DANGEROUS GOODS THAT MAY BE CARRIED UNDER CERTAIN CONDITIONS

INTRODUCTION

Some baggage falling into the category of dangerous goods may be carried under certain conditions by passengers. Such items are outlined in this topic in alphabetical order with a description of the conditions to be observed.

Please be aware that the limitations for liquids in cabin baggage also apply for the items mentioned below.

Whenever an 'Approval of the airline' is required by the regulations: Contact the airline Jetairfly .

AEROSOLS (SPRAYS)

Description: *non-flammable, non-toxic aerosols with no subsidiary risk for sporting or home use.*

- Checked baggage: Yes
- Cabin baggage: No
- Approval of airline required: No

Rule: Release valves on aerosols must be protected by a cap or other suitable means to prevent inadvertent release of the contents.

Reference: Please also see "Medicinal or toilet articles" below.

ALCOHOLIC BEVERAGES

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: No

Rules:

- In retail packaging, containing more than 24% but not more than 70% alcohol by volume.
- In receptacles not exceeding 5 liters (90 fluid ounces = 5 qt).
- Max. total net quantity of 5 liters per passenger.

Note: Alcoholic beverages containing 24% or less alcohol by volume are not restricted, including small barrels of beer (party kegs) as they are not under high pressure. This does not include pressurised barrels or bottles with carbon dioxide or similar gas, as used in gastronomy.

AMMUNITION (CARTRIDGES FOR WEAPONS)

Description: *Securely boxed ammunition (cartridges for weapons) for sporting purposes in Division 1.4S.*

- Checked baggage: Yes
- Cabin baggage: No
- Approval of airline required: Yes

Note: **Contact the airline for further details and requirements.**

AVALANCHE RESCUE BACKPACKS

Equipped with a pyrotechnic trigger mechanism containing less than 200 mg net explosives of division 1.4S and less than 250 ml of compressed gas of division 2.2.

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: Yes

Rules:

- Only one per passenger is allowed.
- Not allowed to be carried on one's person.
- The backpack must be packed in a manner to prevent accidental activation.
- The gas cylinders shall only be accepted if integrated in the backpack. Spare cylinders or removed cylinders shall not be accepted.

Description:

CAMPING STOVES

Description: *Camping stoves and fuel containers that have contained a flammable liquid fuel.*

- Checked baggage: Yes
- Cabin baggage: No
- Approval of airline required: Yes

Rules:

- The fuel tank of the camping stove has to be completely drained of all liquid fuel and fumes.
- The cap has to be securely fastened.
- The fuel tank and/or container has to be wrapped in a absorbent material, such as a paper towel, and placed in a polyethylene or equivalent bag sealed or closed at the top with an elastic band.

CHEMICAL AGENT MONITORING EQUIPMENT

Description: *When carried by staff members of the Organization for the Prohibition of Chemical Weapons on official travel.*

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: Yes

FUEL CELL SYSTEMS AND SPARE FUEL CARTRIDGES

Description: *Fuel cell systems and spare fuel cartridges powering portable electronic devices, for example cameras, cellular phones, lap-top computers and camcorders.*

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: No

Rules:

- Taping over the terminals
- Maximum 2 per passenger are allowed.
- Fuel cells and fuel cell cartridges may only contain flammable liquids, corrosive substances, liquefied flammable gas, water-reactive substances or hydrogen in metal hydride.
- Fuel cell systems must be of a type that will not charge batteries when the portable electronic device is not in use and must be durably marked by the manufacturer

"approved for carriage in aircraft cabin only", with the manufacturers certification that it conforms to specifications of IEC PAS 62282-6-100 Ed. 1, and marked with the maximum quantity and type of fuel in the cartridge.

- Maximum quantities for each fuel cell cartridge are:
 - for liquids: 200 ml
 - for solids: 200 g
 - for liquefied gases: 120 ml for non metallic cartridges, or 200 ml for metal fuel cell cartridges
 - for hydrogen in metal hydride: a water capacity of 120 ml or less.
- Fuel cell refills or fuel cell systems whose only function is to charge a battery in the device are not permitted.
- Refueling of fuel cells on board an aircraft is not permitted, except that the installation of a spare cartridge is allowed.
- Fuel cells containing fuel are permitted in carry-on baggage only.

DRY ICE (CARBON DIOXIDE, SOLID)

Description: *Solid dry ice (carbon dioxide) when used to pack perishables not subject to these Regulations.*

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: Yes

Rules:

- Max. 2,5 kg (5 lbs) per passenger.
- The package must permit the release of carbon dioxide gas.
- Each checked bag containing dry ice must be marked with the additional tag "Dry Ice".

Note: Passengers using this exemption are limited to a maximum of 2,5 kg in carry-on and checked baggage combined.

ELECTRONIC CIGARETTES

Description: *electronic cigarettes (including e-cigars, e-pipes, other personal vaporizers) containing batteries; must be protected from accidental activation*

- Checked baggage: No
- Cabin baggage: Yes
- Approval of airline required: No

Forbidden: to use or charge on board the aircraft.

GAS CYLINDERS, (NON- FLAMMABLE, NON-TOXIC)

Description: *Small gas cylinders to inflate bicycle tires or other devices.*

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: Yes

Rules:

- CO2 cartridges *smaller* than 50ml/28g : maximum 4
- CO2 cartridges *more* than 50ml/28g : **Forbidden**

Forbidden: Gas cylinders for the preparation of soda water or similar products.

HAIR CURLERS

Description: *Hair curlers containing hydrocarbon gas.*

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: No

Rules:

- Only one set of hair curlers per passenger
- Hair curlers must not be used on board at any time

- The safety cover must be securely fitted over the heating element.
- Gas refills for such curlers are not permitted in checked or carry-on baggage.

HEAT PRODUCING ARTICLES

Description: *Heat producing articles, i.e. battery-operated equipment such as underwater torches/diving lamps and soldering equipment which, if accidentally activated, will generate extreme heat and can cause fire.*

- Checked baggage: Yes
- Cabin baggage: No
- Approval of airline required: Yes

Rules:

- The device must be switched off.
- The heat producing component, or the energy source (battery), must be removed and packed separately so as to prevent unintentional functioning during transport. If the battery has been removed, it has to be protected against short circuit.

INTERNAL COMBUSTION OR FUEL CELL ENGINES

Please contact the airline for specific details.

LIFE JACKET (SELF-INFLATING)

Description: *Up to two (2) small cylinders containing carbon dioxide or other non-flammable, non-toxic gas in division 2.2 per person, fitted into a self-inflating life jacket plus up to two spare cartridges.*

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: Yes

Note: Net weight max. 60g and net volume max. 120ml per cylinder.

MEDICINES AND TOILET ARTICLES (non- radioactive), INCLUDING AEROSOLS

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: No

Examples:

- Hair sprays and deodorants
- Perfumes and colognes
- Medicines containing alcohol

Rules:

- The total net quantity of all such articles carried by each passenger or crew member must not exceed 2 kg (4,4 lbs) or 2 liters (32 fluid ounces = 2 qt) per passenger in checked and cabin baggage together.
- The net quantity of each single article must not exceed 0,5 kg (1,1 lbs or 1 pt) or 0,5 liters (16 fluid ounces = 0,5 qt).

Reference: Please also see "Aerosols (sprays)" above.

NITROGEN (REFRIGERATED LIQUID)

Description: Insulated packaging containing refrigerated liquid nitrogen fully absorbed in a porous material and intended for transport, at low temperature ("dry shipper"), of non-dangerous products are not subject to the IATA dangerous goods regulations.

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: Yes

Rules:

- The design of the insulated packaging must not allow the build-up of pressure within the container.
- The release of any refrigerated liquid nitrogen irrespective of the orientation of the insulated packaging must not be permitted.

NON- INFECTIOUS SPECIMENS PACKED WITH FLAMMABLE LIQUID

Please contact the airline for specific details.

OXYGEN (GASEOUS)

Description: *Small gaseous oxygen cylinders or air cylinders for medical use.*

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: Yes

Notes:

- Maximum pressure: 200 bar and maximum gross weight 5 kg per cylinder.
- Cylinders may be used on board JAF flights.
- Must be carried in a manufacturer approved outer packaging which protects the outlet valve.

Forbidden:

Worldwide: liquid oxygen, chemical oxygen generators.
To/from/via USA: gaseous oxygen cylinders.

PACEMAKERS

Description: *Radio-isotopic cardiac pacemakers or other devices, including devices that are powered by lithium batteries implanted into a person, or radio-pharmaceuticals contained within the body of a person as a result of medical treatment.*

- Checked baggage: No
- Cabin baggage: Yes (only on one's person/within the body)
- Approval of airline required: No

PORTABLE ELECTRONIC DEVICES (PED) CONTAINING LITHIUM BATTERIES

Description: *Lithium metal or lithium ion cells or batteries (e.g. Li-Ion, Lithium-Polymer,...) for portable electronic equipment such as watches, calculating machines, cameras, cellular phones, lap-top computers, camcorders, etc.*

Lithium batteries may be dangerous and can cause fire if **not** carried properly.

Whether a lithium battery can be carried by air or not depends on its configuration and its Watt-hour (Wh) rating (for rechargeable lithium-ion/polymer batteries) or Lithium Content (LC) (for non-rechargeable lithium metal batteries).

Use the following table to determine if your battery is acceptable:

Watt hour rating (Wh) or [Li Content]	Configuration	Carry-on Baggage	Checked Baggage	Airline Approval necessary?
≤100 Wh [2 g]	In Equipment	Yes	Yes	No
	Spares	Yes (No Limit)	NO	
>100 to ≤160 Wh	In Equipment	Yes	Yes	YES
	Spares	Yes (max.2)	NO	
>160 Wh	Forbidden			

Important Notes on Lithium Batteries:

1. Please ensure that you have the information available for our staff when requested on the Watt-hour (Wh) or Lithium content (g) for all the installed and spare batteries that you are planning to bring either as cabin or check-in baggage.

- Amp-hours (Ah) to Watt-hours (Wh) Conversion: Multiply Ah by Voltage (V), (1Ah = 1,000 mAh), both of these data are displayed on the information plate of the battery.
- Example: 2.38Ah x 14.4V = 34 Wh for a laptop computer lithium-ion battery
- 2. Lithium batteries contained **in equipment** such as laptop computers, cameras, mobile phones, etc. must be switched off with measures to ensure that they cannot be accidentally activated when placed in check-in baggage.
- 3. **Spare batteries**, also called "loose" batteries, are those not installed in equipment. A lithium-ion battery inside your laptop computer is an installed battery. A battery carried separately, as a backup when installed battery runs low, is a spare battery.
- 4. Terminals of all **spare lithium batteries** placed **in cabin baggage** must be protected from short circuit by:
 - Enclosing them in their original retail packaging or
 - Taping over the terminals
 - Placing each battery in a separate plastic bag (or protective pouch)
- 5. Non-rechargeable batteries with more than 2 grams of lithium (e.g. 'C' size battery and above) are forbidden in any baggage.
- 6. Lithium batteries must be of a type which meets the United Nations (UN) test requirements.
- 7. Lithium batteries carried in any baggage must conform to the above acceptance criteria. For safety concern, we may refuse further carriage of any excessive and unacceptable batteries upon discovery.

Spare or 'loose' lithium batteries must NOT be placed in check-in baggage!

PORTABLE MEDICAL ELECTRONIC DEVICES CONTAINING LITHIUM BATTERIES

Description: *Portable medical electronic devices (e.g. Automated electronic External Defibrillators AED, nebulizers, Continuous Positive Airway devices Pressure CPAP, etc) carried for medical use and containing lithium metal or lithium ion cells or batteries.*

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: Yes

Rules:

- Each installed or spare lithium ion battery must not exceed a Watt-hour rating of 160 Wh.
- Each installed or spare lithium metal battery must not have a lithium content of more than 8g.
- Only two spare batteries allowed per passenger.
- Spare batteries are **only** allowed in **cabin baggage**.
- Each spare battery must be individually protected in order to prevent short circuits, e.g. by taking them in original retail packaging, or otherwise by insulating terminal.
- Each installed or spare battery must be of a type that meets the requirements of the UN Manual of tests and Criteria, Part III, section 38.3. The passenger must give this proof at reservation, e.g. by showing a certificate of the manufacturer.

PORTABLE OXYGEN CONCEN- TRATORS

Description: *Portable oxygen concentrators powered by gel batteries for medical use, also for use on board.*

- Checked baggage: No
- Cabin baggage: Yes
- Approval of airline required: No

Note: This is only valid if powered by a gel battery; otherwise check "Portable medical electronic devices".

SAFETY MATCHES OR LIGHTERS

Description: *Safety matches or a cigarette lighter which does not contain unabsorbed liquid fuel, other than liquefied gas, intended for use by an individual when carried on the person.*

- Checked baggage: No
- Cabin baggage: Yes (**only** on one's person)
- Approval of airline required: No

Forbidden:

- Lighter fuel
- Lighter refills
- "Strike-anywhere" matches
- "Blue flame" or "Cigar" lighters

Note: Some countries may not allow matches or any kind of lighters. (e.g. USA)

THERMOMETERS (MEDICAL OR CLINICAL)

Description: *Small medical or clinical thermometers for personal use containing mercury.*

- Checked baggage: Yes
- Cabin baggage: Yes
- Approval of airline required: No

Rules:

- The thermometer must be carried in a protective case.
- Only one per passenger is allowed.

WHEELCHAIRS OR MOBILITY AIDS POWERED BY BATTERIES

Description: *Batteries used for wheelchairs and other mobility devices for use by passengers whose mobility is restricted by either a disability, their health or age, or a temporary mobility problem (e.g. broken leg).*

Depending on the type of battery restrictions apply: See paragraphs below:

WHEELCHAIRS OR MOBILITY AIDS WITH NON- SPILLABLE BATTERIES (DRY, GEL, LITHIUM(**))

- Checked baggage: Yes (**)
- Cabin baggage: No (**)
- Approval of airline required: Yes

Rules:

- The battery is securely attached to the wheelchair or mobility aid.
- The battery terminals are protected from short circuits, e.g. by being enclosed within a battery container.
- The electrical circuits have been isolated.

Where a battery-powered or other similar mobility aid is specifically designed to allow its battery(ies) to be removed by the user (e.g. collapsible):

- The battery(ies) must be removed. The wheelchair / mobility aid may then be carried as checked baggage without restriction;
- The removed battery(ies) must be carried in strong, rigid packagings which must be carried in the cargo compartment;
- The battery(ies) must be protected from short circuit by insulating the terminals (e.g. by taping over exposed terminals).

(**)If powered by a **LITHIUM battery** following rules also must be applied:

- The battery must meet the requirements of the UN Manual of Tests and Criteria, Part III, section 38.3. Passengers have to prove this at time of reservation, e.g. by showing a certificate of the manufacturer.
- The battery must not exceed 300 Wh.
- A maximum of one spare battery not exceeding 300 Wh or two spares each not exceeding 160 Wh may be carried.
- Where a battery-powered or other similar mobility aid is specifically designed to allow its battery(ies) to be removed by the user (e.g. collapsible): the removed battery(ies) must be protected from damage (e.g.) by placing each battery in a protective pouch. The battery(ies) **must** be carried in the **passenger cabin**.

WHEELCHAIRS OR MOBILITY AIDS WITH (WET) SPILLABLE BATTERIES

Description: *batteries used for wheelchairs and other mobility devices.*

- Checked baggage: Yes
- Cabin baggage: No
- Approval of airline required: • Yes

Rules:

- The battery can only be accepted if it can be loaded, stowed, secured and unloaded in an upright position.
If this is not possible, the battery must be removed and the wheelchair must only be accepted without battery.
- The battery must be securely attached to the wheelchair or mobility device
- The battery terminals must be protected against short circuits, e.g. by being enclosed within a battery container.
- The electrical circuits have been isolated.

The list of prohibited articles is not final and can be added to at any time.

Additional regulations and restrictions may apply to certain flights. Furthermore national regulations, as well as the international ICAO and IATA dangerous goods regulations must be complied with.

When in doubt: contact the airline!