

RECYCLING AND MATERIALS

ZEGKEG



ZEG KEG offers unique **ecological and economic solutions**, saving both nature and your costs.

Thanks to the unique composition of ZEG KEG, all its parts are **100% recyclable**.

Therefore, the entire empty ZEG KEG can be **disposed of in sorted waste**.

Thanks to its recyclability, **chemical cleaning is completely eliminated**, along with the associated **consumption of water** and energy for heating.



ZEG KEG has a well-known round design that ensures **maximum strength**, but, at the same time, thanks to the materials used, **it is lighter**.

Moreover, its shape allows **easier handling**, and less storage space is required due to its perfect stack ability. You will also save space by recycling it after use, **eliminating the need to store empty kegs** or pay for lost, stolen, or damaged ones. Therefore, **no additional costs for deposits** are needed.



ZEG KEG offers **classic beverage pressurization** with use of CO₂.



ZEG KEG helps **reduce transportation costs**. Thanks to the lower weight of the packaging, a **larger number of kegs can be transported** at the same time.

In addition, there is **no need to arrange return transportation** of empty kegs.

This offers you more than 53% savings on transportation and a 53% **smaller carbon footprint**.



Both variants of ZEG KEG provide guaranteed **protection against UV radiation**.

WHAT MATERIALS MAKE UP OUR ZEG KEG AND HOW TO RECYCLE THEM?

KEG

Component	Material	Material Classification	Symbol	Sorting*
SEALING	Polypropylene	PP 5		Plastics
FITTING	Other plastic	Other 7		Plastics
PRV VALVE (if part of the keg)	Other plastic	Other 7		Plastics
HANDLE	Polyethylene terephthalate	PET 1		Plastics
FITTING TUBE	HDPE	PE-HD 2		Plastics
KEG BODY	Polyethylene terephthalate	PET 1		Plastics
LABEL	Polypropylene	PP 5		Plastics
BASE	Recycled polypropylene	PP 5		Plastics
BASE ADHESIVE	Pressen 2016	Bio-based hot melt synthetic adhesive		

*Follow local waste sorting regulations.

PACKAGING

Component	Material	Material Classification	Symbol	Sorting*
STRETCH FILM	Polyvinyl chloride	PVC 3		Plastics
PALLET	Wood	FOR 50		Wood

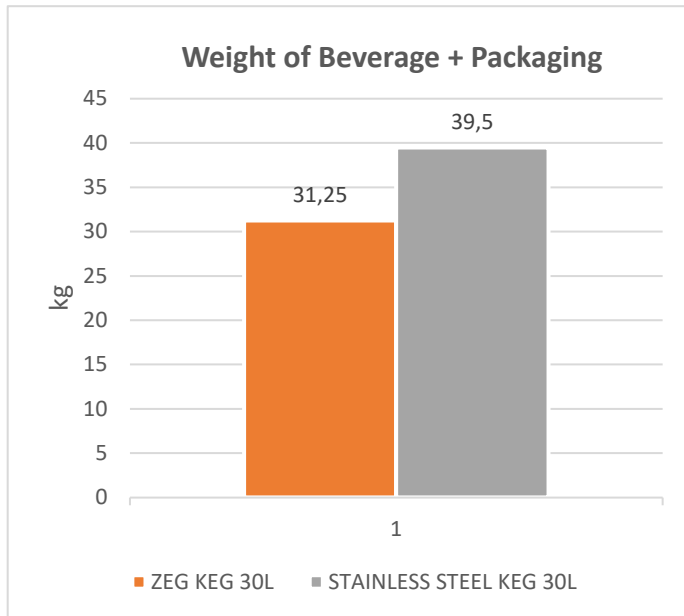
*Follow local waste sorting regulations.

WHAT ARE THE ADVANTAGES OF OUR ZEG KEG COMPARED TO STAINLESS STEEL KEGS?

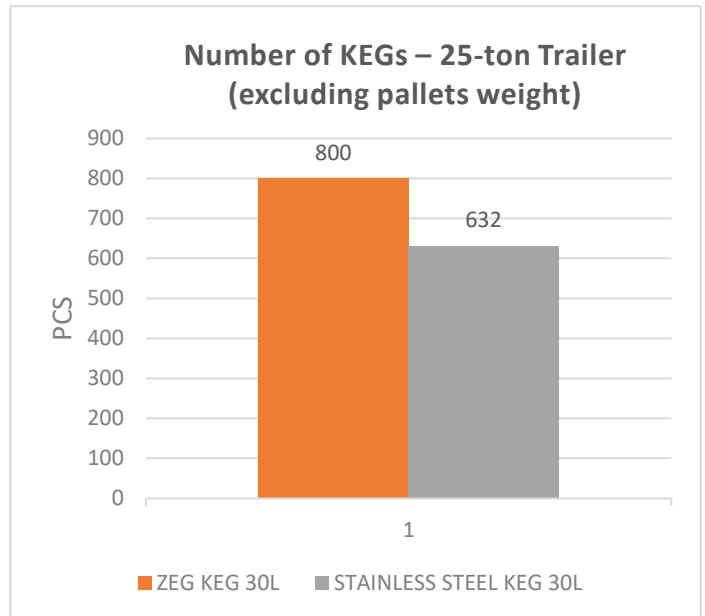
	NOTE
Can be emptied almost to the last drop	The residue in the 20L ZEG KEG is, based on testing of available market competitors, at the lowest level – only 50 ml.
Air dispensing / CO₂ dispensing	CO ₂ dispensing is possible with both variants.
100% recyclable	We guarantee easy recycling – more information available from specialized recycling companies.
Saved transportation costs (Example: 3,000 units, distance 100 km) Graph 1	More than 53% savings on transportation – calculated fuel savings: 98 liters of diesel.
Lower carbon footprint (Example: 3,000 units, distance 100 km)	More than 53% lower transport carbon footprint. No collection of empty kegs.
Weight Savings Graph 2	On a 25-ton trailer, it's possible to load up to 20% more units (actually 168 units or 5,040 litres).
Low weight – Easy handling Graph 3 and 4	A full ZEG KEG is about 8 kg lighter. For 1 litre of beverage, ZEG KEG has only 0.04 kg of packaging.
No deposit payments	It is better to invest in business development than in deposits for packaging.
More accessible for new markets	High-quality beverages comparable to stainless steel kegs. No costs for transporting empty packaging and other investments.
No need for chemical washing, additional water consumption and its heating	Recycling costs only.
Treatment/Rinsing	During a production process, ZEG KEG is pre-filled with nitrogen (N ₂). After a keg is finished, it is repeatedly rinsed with nitrogen until it reaches value of 99.8%.

ECONOMIC SAVINGS AND ECOLOGICAL FRIENDLINESS

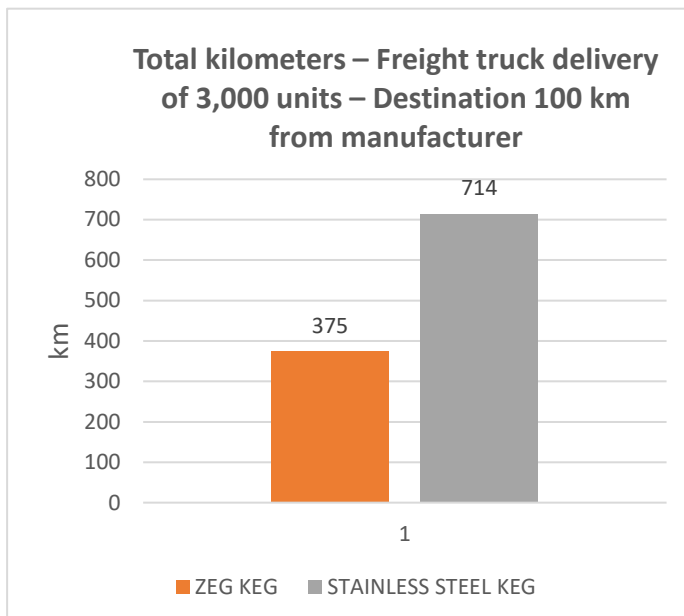
Graph 1 – Saved transportation costs of ZEG KEGs / stainless steel kegs



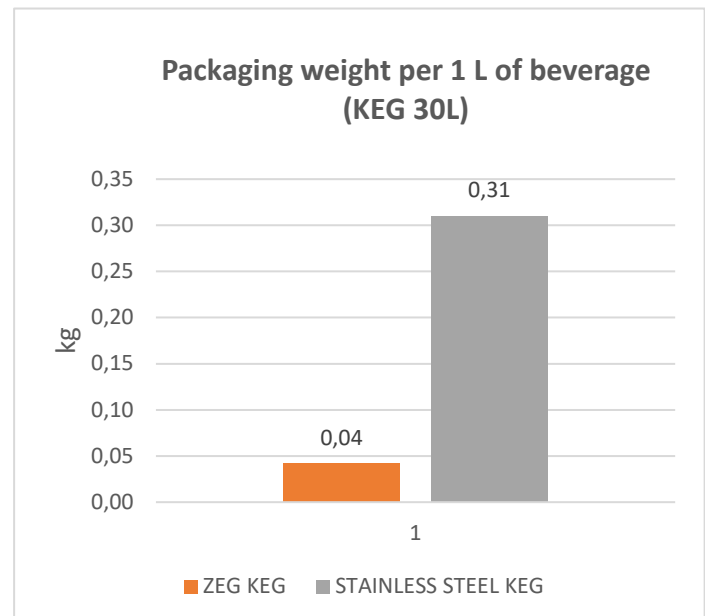
Graph 2 – How many more units of ZEG KEG can be loaded on one trailer



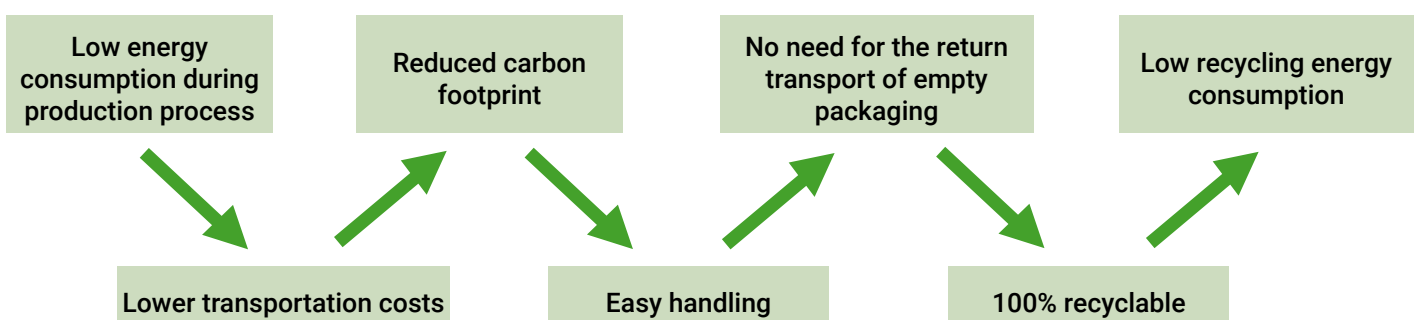
Graph 3 – ZEG KEGs and stainless steel kegs packaging weight comparison



Graph 4 – Comparison of packaging weight per 1 L of beverage for 30L keg



OUR GOAL IS SUSTAINABILITY AND REDUCING THE CARBON FOOTPRINT



WHICH LEGISLATIVE REGULATIONS DOES OUR ZEG KEG COMPLY WITH?

- **REGULATION (EC) No 1935/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 October 2004** on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC
- **COMMISSION REGULATION (EC) No 2023/2006 of 22 December 2006** on good manufacturing practice for materials and articles intended to come into contact with food
- **COMMISSION REGULATION (EU) No 10/2011 of 14 January 2011** on plastic materials and articles intended to come into contact with food, as amended
- **Article 9(2) of DIRECTIVE 94/62/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL** on packaging and packaging waste
- **DECREE OF THE MINISTRY OF HEALTH OF THE CZECH REPUBLIC No. 38/2001 Coll.** on hygienic requirements for products intended for contact with food and meals, as amended, based on certificates:
CERTIFICATE No. 472117738-01 for samples:
ZEG KEG complete with valve, volume 10–60 L, weight 0.94–1.45 kg, clear and silver
CERTIFICATE No. 472117738-02 for samples:
ZEG KEG complete with inner bag and valve, volume 10–60 L, weight 0.94–1.45 kg, clear and silver
- **§ 3 and § 4 of ACT No. 477/2001 Coll.** on packaging, as amended
- **ČSN EN 13428**
- **ČSN EN 13430**
- **ČSN EN 13431**
- **ČSN CR 13695–1**

For more information, visit our website.

