Stainless Steel BEVERAGE CONTAINERS

- EURO KEGS
- DIN KEGS
- U.S. KEGS
- RUBBER ENDS KEGS
- CASKS
- PRESSURE VESSELS
- ASEPTIC CONTAINERS
Welcome.

THIELMANN CONTAINER SYSTEMS is the Business Unit Containers of Teka Group. We provide advanced packaging solutions made of stainless steel for the transport and storage of a great variety of high quality products from several industrial sectors.

Stainless Steel Beverage Kegs 04
Rubber Ends Beverage Kegs 06
Stainless Steel Casks 07
Pressure Vessels 08
Aseptic Containers 09
Services 10
Quality 11
The Teka Group, among other activities, is the worldwide market leader in the production of beverage containers, with manufacturing facilities in Europe and America. Our kegs are distributed throughout the world and developed for specific markets to the optimum standard for every region. Companies under THIELMANN CONTAINER SYSTEMS enjoy great prestige worldwide and have been present in the market for many years. The first production facility was established in Hausach, Germany in 1740.

Locations in Europe and America.

Spanish
- PORTINOX, S.A.
  Granada.

German
- UCON Containersysteme AG KG.
  Hausach.
- UCON Containersysteme AG KG.
  Haiger.
- Schmelzer AG KG.
  Hagen.

Belgian
- COMET N.V.
  Zellik.

Mexican
- PORTINOX S.A. de C.V.
  San Luis Potosí.

United Kingdom
- PORTINOX Container Services UK Ltd.
  Dewsbury.

Agents.

- Argentina
- Australia & New Zealand
- Brazil
- Colombia
- Egypt
- India
- Israel
- Kazakhstan
- Korea
- Mexico
- Myanmar
- Philippines
- Poland
- Russia
- United Kingdom & Ireland
- Thailand
- Uruguay
- USA & Canada
- Vietnam
STAINLESS STEEL BEVERAGE KEGS

A keg worthy to conserve your beverage

We have the most complete range of Premium Quality Stainless Steel Beverage Kegs.

Constructed of strong and durable stainless steel, our sterling-quality kegs readily serve as first-rate storage containers for safeguarding the quality of your beer and other beverages. They are easy to clean, maintain and are built to last. Thanks to all our branding and labelling options, our kegs represent a solution where you would be proud to have your brand on.

All sizes and formats

Our portfolio covers all international standards (EURO, DIN, U.S. ...) and our products range from 5L to 1500L. In case you have special requirements, our technical department will work on your request to provide you with a customised container solution in stainless steel.

The best quality system

Thanks to an optimized manufacturing process we can verify the quality from the pre-production stage up to the final inspection, where our pioneer’s leak detection unit can fully check both the keg and the valve.

Premium stainless steel

Our kegs feature top-grade austenitic stainless steel. This material ensures a great protection against corrosion and guarantee years of services even in heavy duty work.

Stainless steel saves CO₂, 100% recyclable.

The use of stainless steel as the base of all our products reduces the carbon footprint and protects the environment. In addition to that, there is a product residual at end-of-life.

Applications

- Beer
- Wine and sparkling wines
- Cider
- Water
- Juice
- Soft drinks (*see rubber ends kegs on page 5.)
- Edible oils (olive, sunflower, soybean...)

Applications
Quality starts at the pre-production stage.

Our raw material suppliers receive very precise instructions regarding the properties that have to be complied with in order to satisfy the specific requirements of the kegs to be manufactured.

Our own neck production, by means of a hot forging process applied on solid stainless steel bar, requires no welds and as result provide maximum uniformity of mechanical and metallurgic characteristics.

Reasons to choose stainless steel.
- Safety guaranteed for food and beverages.
- Non-corrosive steel.
- Extreme resistance compared to other materials.
- 100% UV resistant.
- 100% recyclable. Saves CO₂.

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<tr>
<th>TYPE</th>
<th>VOLUME liters</th>
<th>DIAMETER Ø mm</th>
<th>WEIGHT kg</th>
<th>H1 mm</th>
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<td>3.8</td>
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RUBBER ENDS
BEVERAGE KEGS

Quiet performance. Deep drawn keg with top and bottom chimes made of rubber.

A great solution for handling up to 30L in low-noise atmospheres.

More recent requirements call for lightweight kegs, lower capacities, less noisy and more friendly handling kegs.

These cost effective kegs range from 10 to 30 litres, made of deep drawn with perfectly smooth internal surfaces. The rubber ends are hot-vulcanised under very high pressure to the metal shell, ensuring a perfect adherence.

They are suitable for all kind of beverages including our special version made for soft drink industry.

Advantages

- Ergonomic handling
- Low noise
- Protective delicate surfaces

<table>
<thead>
<tr>
<th>TYPE</th>
<th>VOLUME liters</th>
<th>DIAMETER Ø mm</th>
<th>STACKABLE</th>
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<td>Rubber Ends 229</td>
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<td>219 - 237</td>
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</table>
STAINLESS STEEL CASKS

Engineered with precision. Full flavor guaranteed.

A safe choice for your natural real beer.

Modern casks are made of stainless steel. Brewers can fill our casks with unpasteurized, fresh beer along with a measured amount of hops for flavour and aroma, and then seal them to start the secondary process. Since there is still yeast present, the sugars within the beer starts a secondary fermentation that helps carbonate the beer within the cask.

The original draught beer tap was nothing more than a simple device to control the flow of beer from a cask leaving the residual hops inside. Our casks allow brewers to develop traditional beer recipes naturally carbonated in the cask.

According to different organizations, a real ale could be made by only using traditional natural ingredients which are left to mature in the cask through a process of secondary fermentation, before it is served in the pub to the welcoming customer. Our casks enable brewers to make these unique beers and develop the wonderful tastes and aromas which clearly differentiate these ales from processed beers.

<table>
<thead>
<tr>
<th>TYPE</th>
<th>VOLUME</th>
<th>DIAMETER (Ø mm)</th>
<th>H1 (mm)</th>
<th>THICKNESS (mm)</th>
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<td>9G.</td>
<td>9 Gal. (34L)</td>
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<td>1.7 / 1.5</td>
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<td>4.5G.</td>
<td>4.5 Gal. (17L)</td>
<td>309</td>
<td>395</td>
<td>1.5</td>
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Pressure vessels represent a perfect solution for storage of hazardous and non-hazardous materials that are emptied under pressure. The wide range of connections and possibilities can make them fit in several processes within the brewing and beverage industry.

Environmentally friendly pressure vessel. Made of stainless steel with safety oval hand hole cover

- Removable, oval cap for easy manual filling
- Alternative quick connect valves, pressure gauges and reducers optional.
- Safety cover which blocks opening with pressure
- Designed for pressure dispense
- Easy to clean
- Light weight

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>VOLUME</th>
<th>HEIGHT</th>
<th>CONNECTIONS</th>
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<td>30.0 - 100.0</td>
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<td>625 - 1162</td>
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<tr>
<td>550</td>
<td>100.0 - 225.0</td>
<td>625 - 1162</td>
<td>●</td>
<td>●</td>
<td>○</td>
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</table>

Product fully customizable. If you need special features (different dimensions, capacities...) please contact us.
ASEPTIC CONTAINERS

Aseptic food container for fluids and highly viscous products. A real multi-purpose solution for breweries.

- Bottom and outlet recess designed in one piece
- Deep-drawn bottom is cone-shaped
- Improved outlet for better flow
- Guaranteed complete emptying, residue free
- Extremely easy to use and clean
- Environmentally friendly
- Vacuum resistant (-0.5 bar to optional -1.0 bar)
- Suitable for sterile products

* Optionally available with heating or cooling jacket.

Handling
- Suitable for transport by all conventional industrial trucks
- Stackable up to 3 high.
- Easy to clean

Certifications
- CE marking
- UN certification available.

<table>
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<tr>
<th>TYPE</th>
<th>VOLUME</th>
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<td>1000</td>
<td>1810</td>
<td>120</td>
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</table>

Product fully customizable. If you need special features (different dimensions, capacities...) please contact us.
Keg & Extractor
Service and Repairs

Kegs can be damaged as they are used on a regular daily basis. We offer a full repair and management program that ensures your fleet is in optimal conditions and increases the reliability and durability of your initial investment.

- **NECK REPAIR**
  - Welding
  - Retrofitting

- **EXTRACTOR MAINTENANCE**
  - Approved extractor refurbishment
  - Extractor replacement if needed

- **CHIME STRAIGHTENING**
  - Agreed deformation standards
  - Welding as required.

- **PRESSURE TEST**
  - Extractor tests
  - Decant containers
  - Internal / External inspections

- **RE-BRANDING**
  - Replace labelling or colour bands.

- **CLEANING**
  - Full internal throughout cleaning
  - Beer stone removal

Identification

Wide range of markings for complex logistics systems and modern marketing. The keg can be provided with a variety of logos, symbols, production and filling data, from uncoded information up to electronic codification.

- Embossing
- Paintbanding
- Barcodes
- Matrix Codes

Tracking Solutions

All our kegs can be fitted with several tracking solutions, from bar codes, transponders or full RFID integrated systems such as KEGFLOW.

With proven bulk scanning capabilities, control and manage your fleet with an easy, efficient and cost effective system.

- Optimise the precious investment in your container fleet with KEGFLOW - the leading RFID solution. Know your asset population inside/out.

- Compare container availability against forecast production requirements to ensure keg supply meets demand, correctly and efficiently.

- Powerful benefits achieved from partially tagging your fleet made possible by a statistical approach applying data analysis algorithms.

- Identify asset losses and loss rate trends.

- Be safe in the knowledge that you are installing a leading edge, robust RFID solution, available and supported globally, with over 99% accuracy.

- Accurately make forecasts for new container purchases.
A technically impeccable product built to last a lifetime.

Our quality department works with control systems which range from basic inspections up to deep examination using highly sophisticated software allowing us to comply with the strictest international standards from the reception of raw materials until the delivery of the finished keg.

Quality

To say that we employ avant-garde technology is not a simple word. The millions of kegs from our production plants are the best testimony of our quality standard - proved day by day all over the world. Quality before, during and after production.

CURLS
Ideal protection of the areas likely to suffer drops and impacts.

HAND HOLES
Handy and secure design. The hand holes are ideally formed, providing good grip while strengthening the skirt.

CENTRAL WELD
TIG welding with state-of-the-art technology and electronic control systems.

IDENTIFICATION
Wide range of markings for complex logistics and modern marketing.

ROLLING RINGS
Make the major contribution to the strength of the keg while improving handling.

BURST DISC
Safety guarantee in case of overpressure over 35 +/- 5 bar. Keg will open avoiding accidents.

Commitment with the environment

Our company is totally committed to the care and protection of the environment, taking all necessary steps to put this ethic into practice in accordance with valid standards. Our products made of stainless steel are 100% recyclable. By being a reusable solution, the carbon footprint is dramatically lower than regular bottles and one way kegs.
THIELMANN CONTAINER SYSTEMS

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