

COLLAB HOUR



Weekly Webcast
for Members



One-Way Kegs:

***The Real and Innovative
Alternative to Steel Keg
Ownership & Rental***

THURSDAY, JULY 29 AT 11 AM MT

SPONSORED BY  petainer

One-Way Kegs

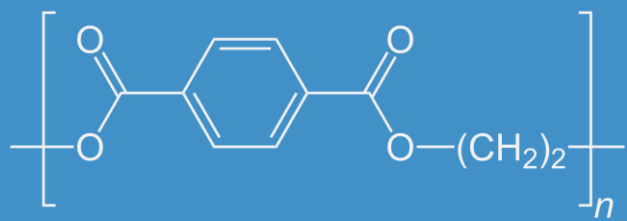
What is a One way keg?



A One-way keg is a keg that once filled and sent into the market is not returned for re-use.



Why PET?



What is PET?

Polyethylene terephthalate commonly abbreviated PET, is **the most common thermoplastic polymer resin** of the polyester family and is used in fibres for clothing, containers for liquids and foods.

Why PET for beer packing?

It is a very strong and inert material that doesn't react with foods or beverages. Is resistant to attack by micro-organisms and will not biologically degrade.

PET has the following useful qualities:

- Very Strong
- Flexible and allows some expansion
- Shatterproof
- Lightweight
- Is very Recyclable
- Can be Blown on site



Beer packing available:

PETAINER ONE WAY:



Hybrid Kegs



Classic Kegs

Can be used as a Home keg:



With our
10 liter mini keg,
consumers can take
their draft beverages
anywhere!



One-Way Kegs Advantages





Reduce your Logistic costs

- No returns of empty kegs, so not need to charge deposits.
- Steel kegs can cost more than \$100 and for every tap handle you may need at least 3 units to maintain availability.
- No keg losses, it is estimated up to 5% of inventory lost per year.
- Lighter and easier to stack than steel kegs.
- For Exporting Draft, One-way kegs are a “No Brainer”

One-way Kegs Advantages





A clean fill every time

- Kegs arrive at the Brewery clean, pre-purged and ready to be filled.
- Forget about the washing or sanitizing process of kegs.
- Reduces Utility usage.
- No need for expensive keg washers and more space in your brewery.

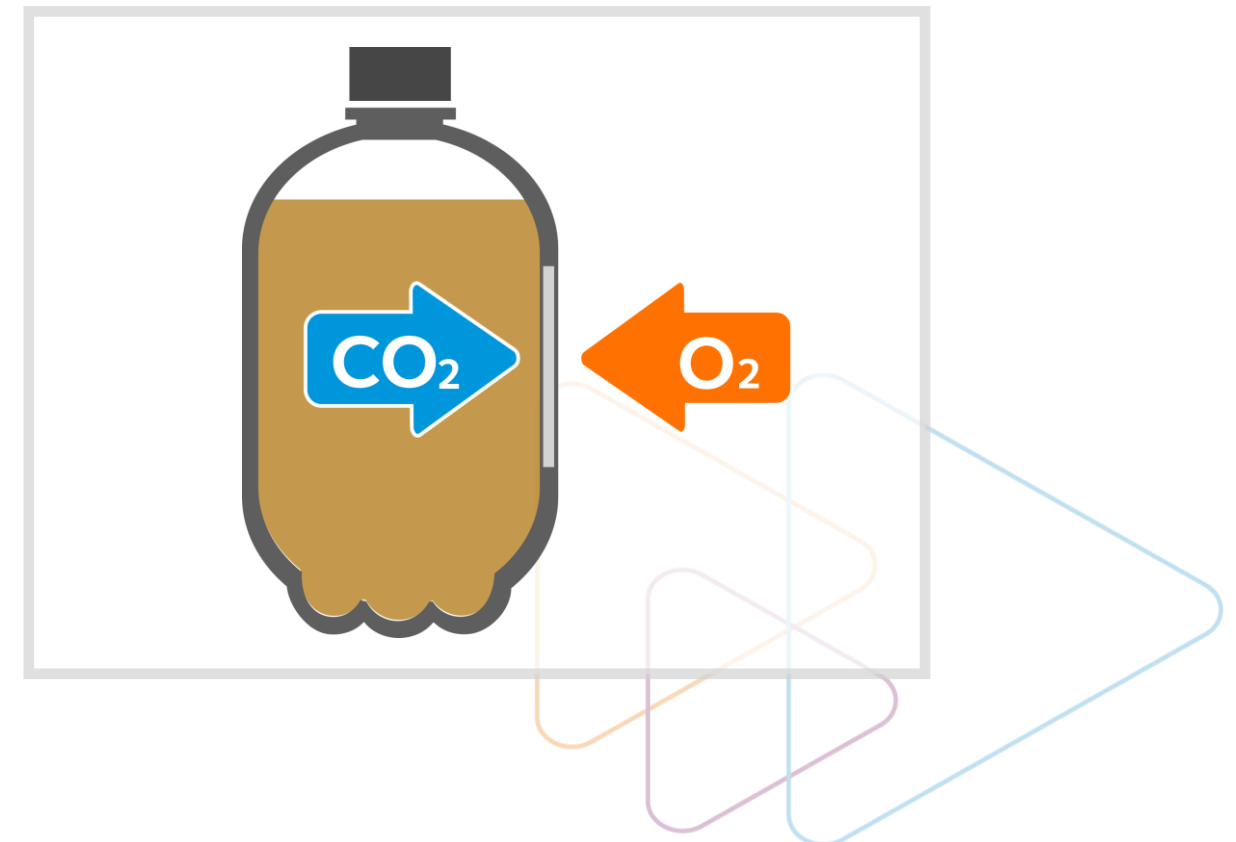
One-way Kegs Advantages



The safest one-way keg

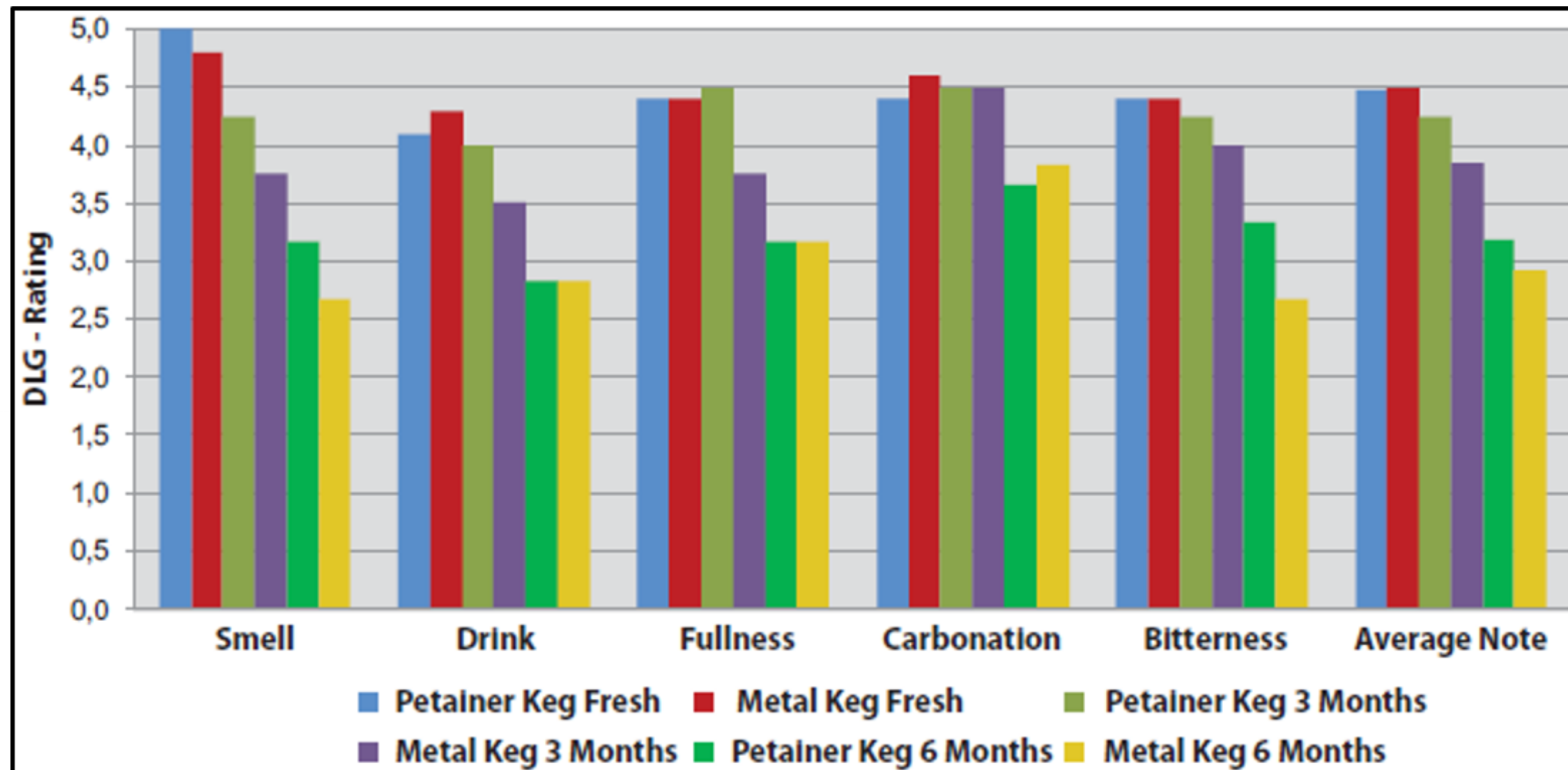
- Same shelf life as steel kegs (9 months).
- Barriers to stop CO₂ loss or O₂ pickup.
- UV light protection.
- Puncture Resistant Wall, the Hybrid Keg will fail safely if punctured during use.

One-way Kegs Advantages



One-way Kegs VS Steel Kegs

General Performance



5 = No mistake recognizable
 4 = OK quality
 3 = Mistakes recognizable
 2 = Significant mistakes recognizable
 1 = Awful



Export to new markets

- One-way shipping, easy to dispose of after use.
- Available fitting types (A, G, S, D).
- Compatible with most filling systems.

One-way Kegs Advantages

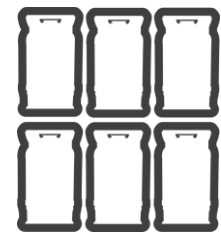


Sustainable solution

- Eliminate wastewater by eliminating keg washing.
- Up to 60% recycled material used in each Hybrid Keg.
- Significant reductions in CO₂ emissions compared to steel barrels by not having to return the kegs to their origin.

One-way Kegs Advantages

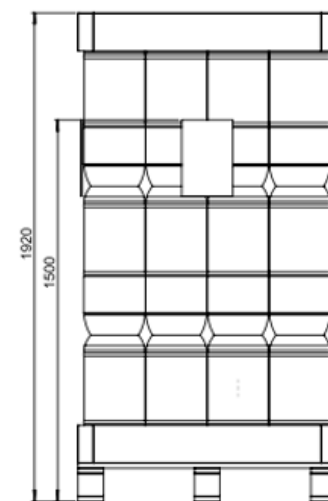




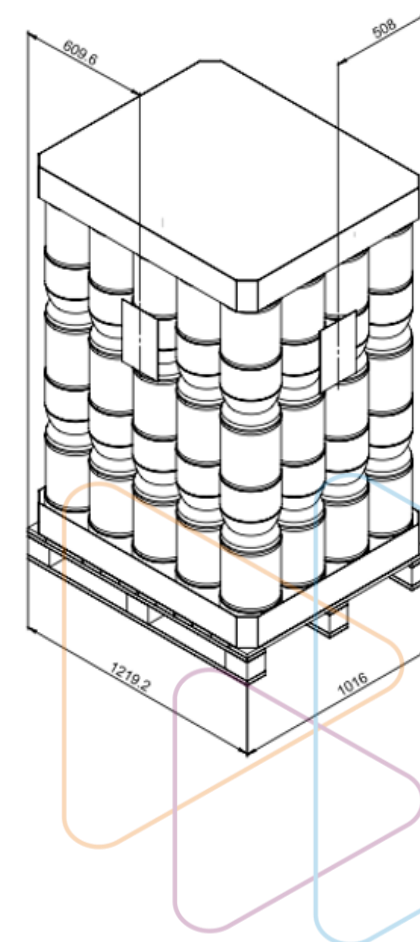
Easy to handle

- **Weight:** An empty Petainer one-way keg is 10% of a steel keg, making easier to handle and reducing shipping costs.
- **Stackability:** Easier to store and ship.

One-way Kegs Advantages



5 rows with 4 kegs
20 kegs / layer
3 layers
60 kegs / pallet



The Best Solution for Beer on Tap

READY-TO-USE:

- ▶ Pre-purged with N₂.
- ▶ Available fitting types (A, G, S, D).
- ▶ Compatible with any filling system.

SAFE:

- ▶ Puncture-resistant wall.
- ▶ PRT (Pressure Relief Tool) supplied with every keg.
- ▶ Pressure-resistant: used in high pressure pasteurization (HPP).

FAST FILL:

- ▶ Upright or inverted filling.
- ▶ With inside spear for optimal dispense.
- ▶ Foam reduction.

DESIGN

- ▶ Optimal palletization of the filled kegs.
- ▶ Patented chime: a unique base grip design.

PRODUCT INTEGRITY:

- ▶ UV and Light Protection (no bag needed) CO₂ (9 months) and O₂ (12 months) protection.
- ▶ Temperature protection:
 - Tested >50°C without damage.
 - Recommended temperature < 30°C.

SAFETY INSTRUCTIONS:

- ▶ Instruction label with QR code on every keg.
- ▶ Online resources and support tools.

Available for 10, 20 y 30 Liters



Disposing of an empty Keg



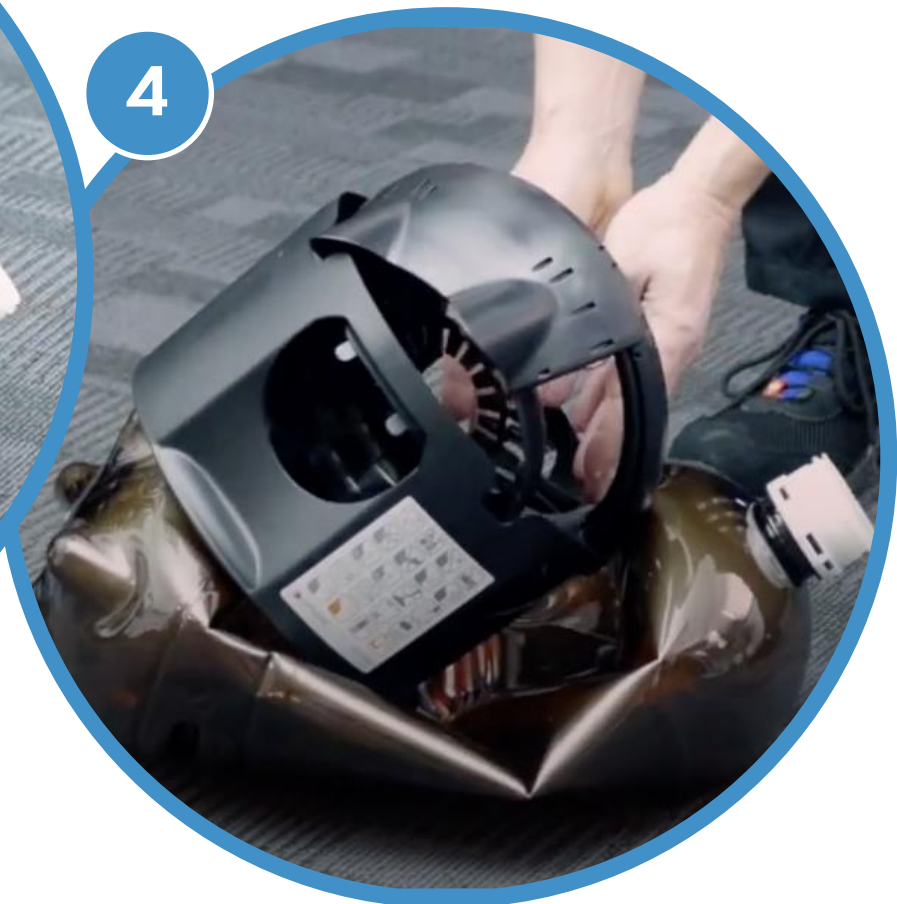
When the keg is empty, release the pressure inside the by using the pressure release tool next to the neck of the keg.



If is a Hybrid keg, remove the two locking rings and then remove the chimes.



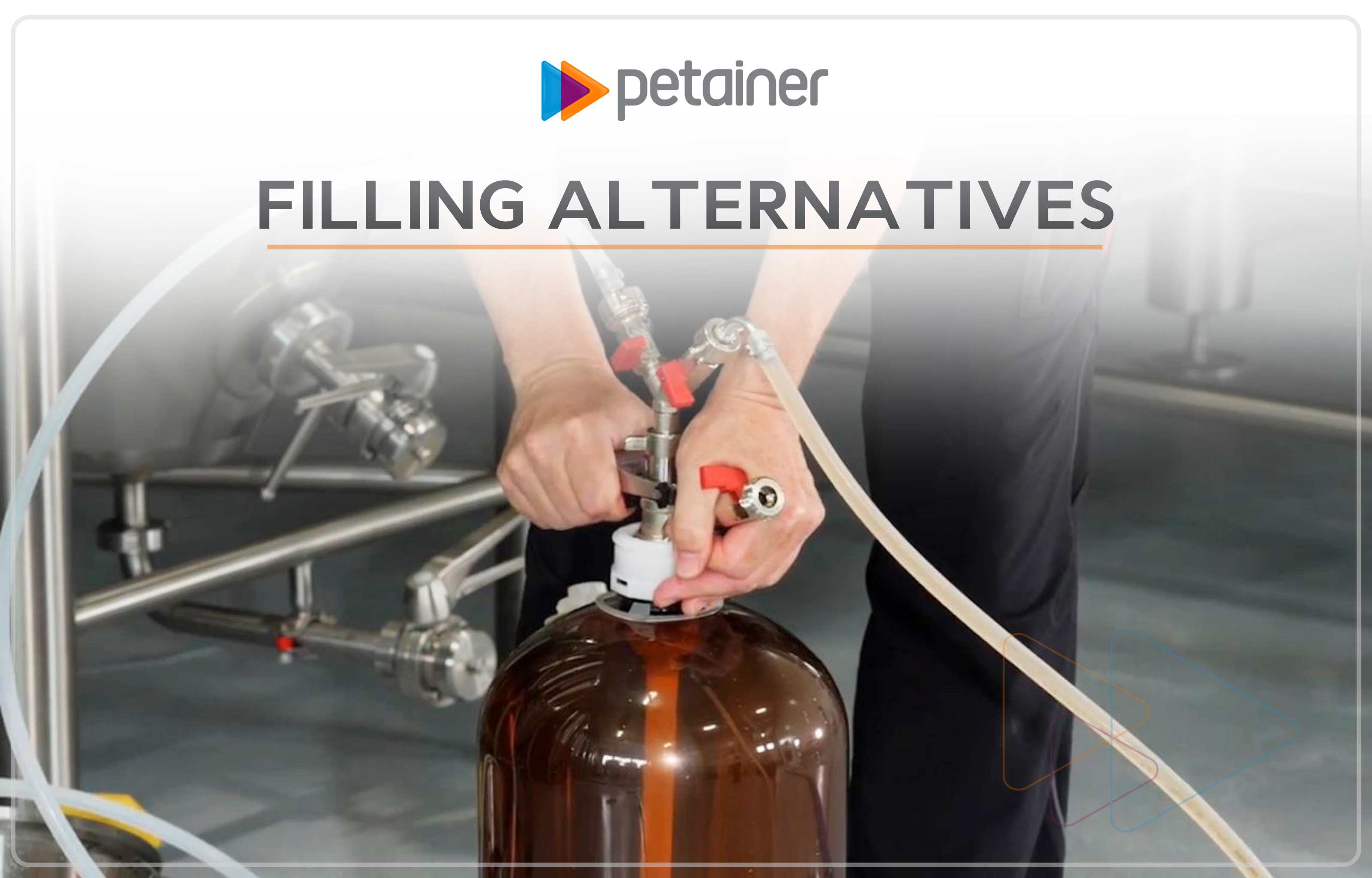
Flat the keg with your foot.



Collect the parts, and the keg will be ready to be dispose of.

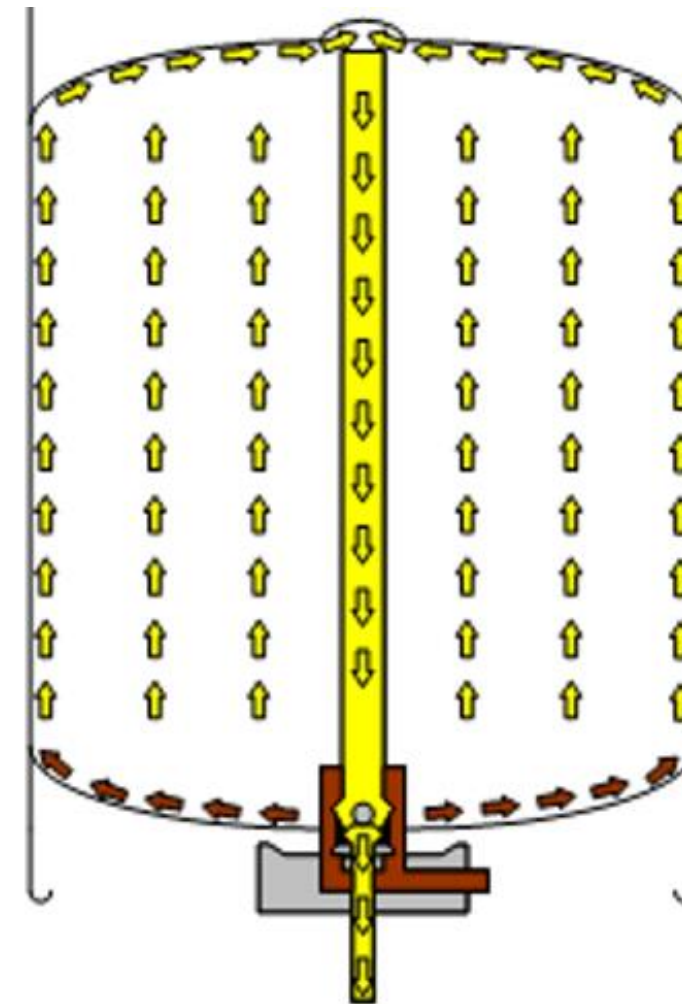
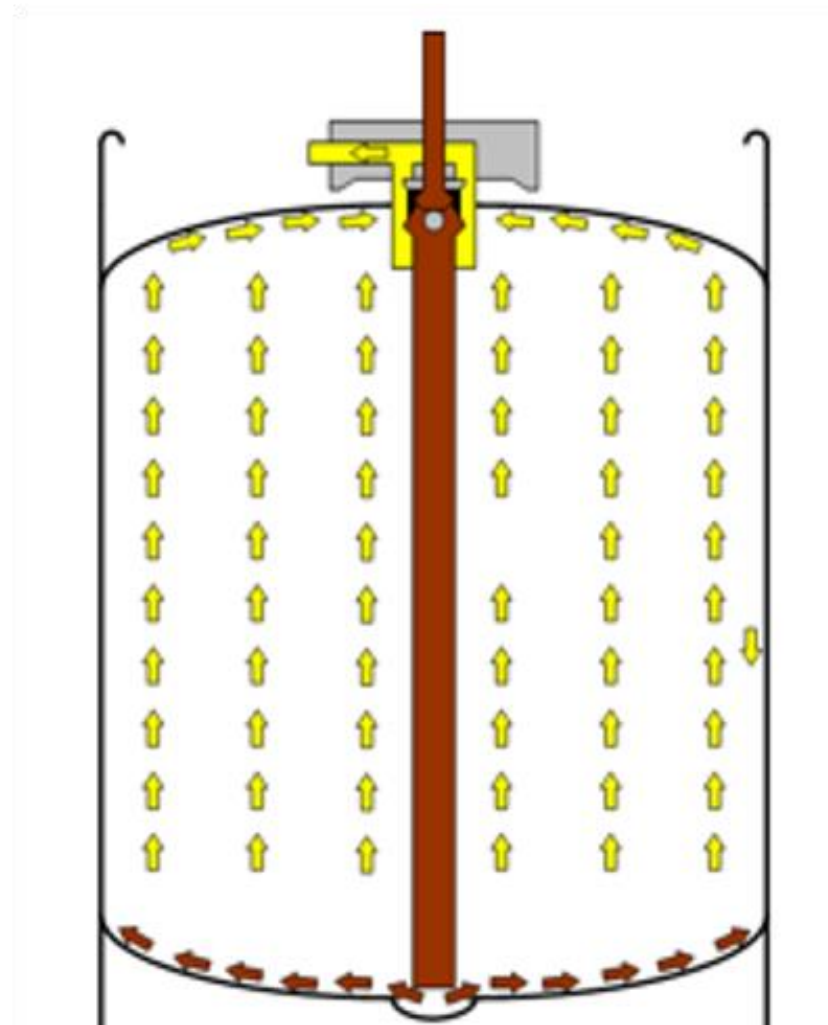


FILLING ALTERNATIVES



One way keg filling

Petainer kegs can be filled upright or neck down.



One way keg filling

MANUALLY: Petainer One-way kegs can be manually filled through a simple modified coupler making it possible to get into the kegging business for as little as \$50.



Manually



FILLING
COUPLERS



One way keg filling

AUTOMATIC-SEMI / AUTOMATIC filling machines are also available from several equipment suppliers, including suppliers in North America.



Manual

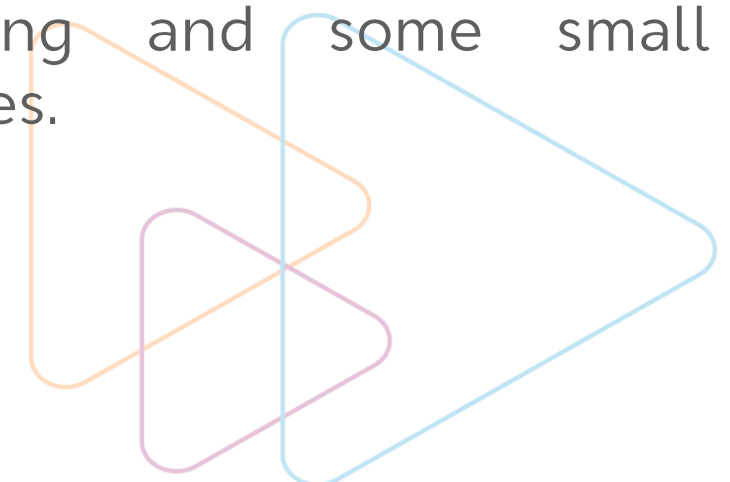


Semi-automatic

This equipment ranges in price from \$13,500 to \$70,000 dollars depending on throughput etc.

All of this equipment offers volumetric filling with fill accuracies on some equipment of $\pm 0.01L$ and losses of around 100ml per keg.

With programming and some small mechanical changes.



One way keg filling

With programming and some small mechanical changes One-way kegs can be filled on existing keg lines.



QUESTIONS?

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