One Way Keg: Disrupting draft beer delivery

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One way kegs are they for you?

One way keg information.

What are their advantages.

What are their disadvantages.

How are they filled.

Conclusions.

Questions.



One Way Keg: Disrupting draft beer delivery

What is a One way keg?



HornClayCeramicWoodSteelPET

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



In Recent years a number of One way kegs have been introduced into the market.



Though some kegs use a their own valve design, most are available using standard keg valve fittings. Sizes available are 20L and 30L (1/6 and 1/4 Brl.)

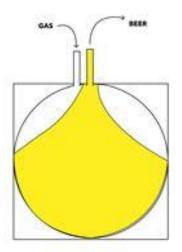


Different One ways kegs do offer different design features and advantages, there are basically two designs.

Bag in the Ball.

This design has a bag fitted inside the keg structure, with an opening attached to the valve fitting where the spear tube would be.

The Product is dispensed by pushing the outside of the bag with gas through the valves gas ports.

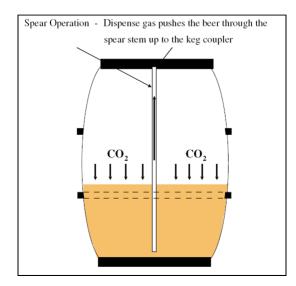




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Conventional keg design.

The keg is fitted with a spear tube like a regular steel keg, except made of plastic and the keg is filled and dispensed the same way as a steel keg.



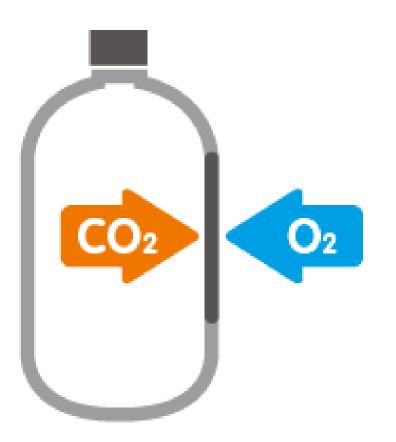


Many One way kegs offer the same shelf life as steel kegs and some offer:

- O2 scavenging in the PET material.
- Made of a material that is fully recyclable.
- Made of PET with barriers to stop CO2 loss or O2 pickup.

"This is not your fathers PET."





Gamechanging Barrier Technology

- Improved CO2 performance
- Shelf life > Filled Keg 9 month
 - > Blown Keg 6 month
 - > Preforms 6 month
- Scavenger technology
- Polyester Plus in combination with unique Blending
- Taste/Quality equal to Metal Keg

Global

Entering new markets.

No requirement to buy a large keg float.

Steel kegs can cost \$100 and more and for every tap handle you have you need at least 3 kegs or more to maintain availability depending on your supply chain.

Reduction of logistics.

Having your own keg float or using a shared keg float, requires managing.

No costs due to keg losses.

Many people who use steel kegs experience losses of 5% or more per year.

No requirement to charge deposits.

This reduces the initial outlay for your customers and does not require them to have to return the keg.

Allows Keg to be Branded

The kegs can be Branded a number of ways, which increases Brand visibility.



Kegs are available when you need them.

No waiting for kegs to be returned before being able to fill and ship. Many people use One way kegs at times of high production to reduce the need to increase their keg float.

Kegs can be manufactured at the at production facility.

To reduce costs and if production levels are high enough, the kegs can be blown and assembled locally, on or off the filling line.

▶ Weight.

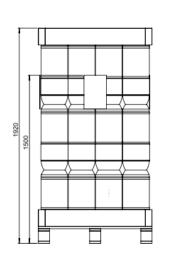
Generally the weight of an empty One way keg is one tenth that of a steel keg, making easier to handle and reducing shipping costs.

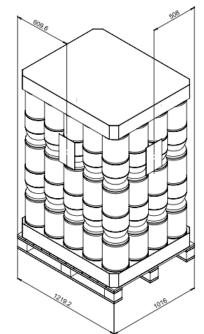


Stack ability.

Easier to store and ship.







5 rows with 4 kegs

20 kegs / layer 3 layers 60 kegs / pallet

No requirement to wash and sterilize the keg.

This reduces equipment costs and greatly reduces utility usage.

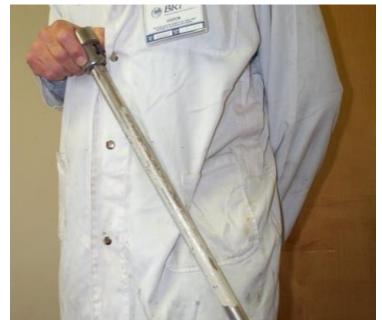
A steel keg requires at least 11L of water to wash it and great deal of energy to heat washes etc.

No chemicals are required to wash the keg, further reducing costs.

A clean fill every time.

No concerns of filling a dirty or unsterilized keg.





There is often a push back with a new product.

- Questions on Carbon Footprint.
- Questions on recyclability.







With more "One way kegs" entering the market place the greater the acceptance.

Not as Robust as a Steel keg.



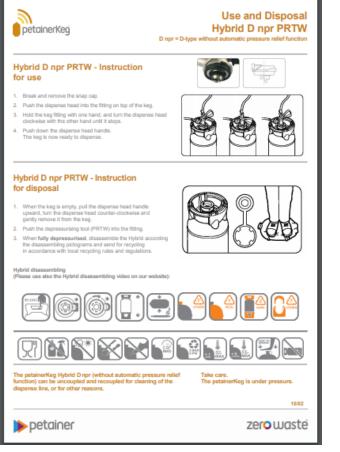
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No 50L or ¹/₂ **Brl keg available.**

Often requires some education of kegs use and disposal.

Youtube and other social media can help here.

Apps are available in some cases.





Consumer Safety – Keg handling at point of sale

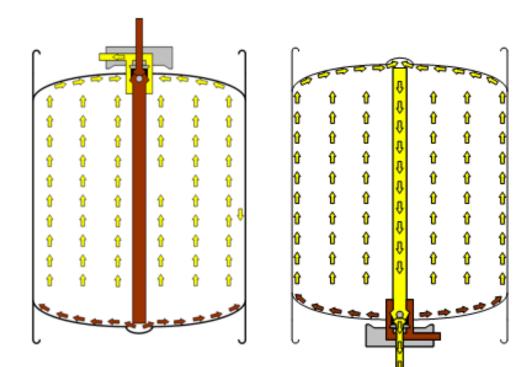


Tapping information

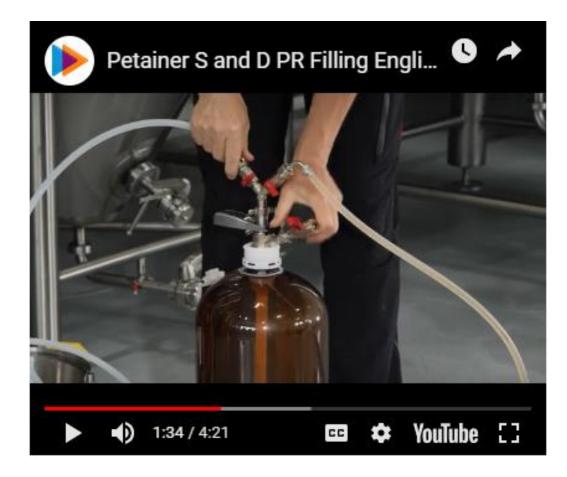


Handling and safety information

Generally most One way kegs can be filled upright or neck down.



All 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.



Automatic machinery is also available from a number of equipment suppliers, including one in the USA and one in Canada.

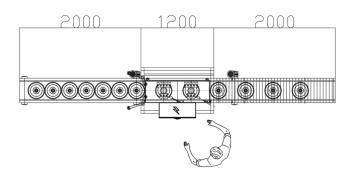
This equipment ranges in price from \$13,500 to \$70,000 dollars depending on throughput etc.

All of this equipment offers volumetric filling with fill accuracies on some equipment of + /- 0.01L and losses of less than 100ml per keg.









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







Conclusions : Why use One way kegs

Exporting.

One way kegs are already being used by large and smaller breweries and wineries to export draft product. Markets include: Spain, Italy, UK, Sweden, Australia, Korea and China.

Selling kegs retail.

No deposits required and customer does not have to return the keg.

- Selling your Beer in new markets where distance is an issue. Not having to wait to get kegs back.
- Using kegs for high demand periods or festivals.
- For Specialty or Pilot brewed products.
- Getting into the Draft production with little to no cost.

Questions?





