

petainerKegs D npr - Instructions for use

Before filling, ensure that the filling head, the keg fitting and all pipes are clean and sterilized and purge the relevant inlet with inert gas and product. The keg must be in a stable and vertical position through the following process. Eye and ear protection, together with work-wear should be used.



1. To Begin:

- Check that a petainerKeg filling head is used (see below).
- Push the filling head into the fitting.
- Hold the fitting with one hand and turn the filling head clockwise until it stops and push the handle down.



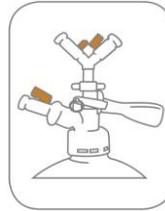
2. Inert gas purging:

- The keg will arrive pre-purged with nitrogen (N₂), with a purity above 99% and pressurized between 0.7 to 0.8 bar (10.0 to 11.5 psi).



3. Counter pressurizing:

- Ensure that the "gas out" valve (3) and the "product in" valve (2) are closed.
- Open the "gas in" valve (1) and counter-pressurize the keg with the required inert gas.
- Then close the "gas in" valve (1).
- Note: Ideally the keg should be pressurized at 0,5 bar / 7 psi below the filling pressure (maximum counter pressure, 3 bar / 43.5 psi)



4. Filling:

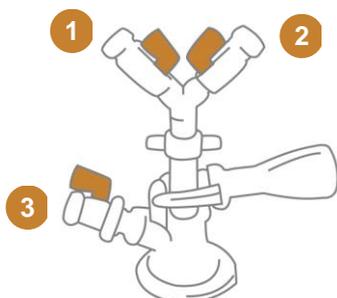
- Ensure that the "gas in" valve (1) is closed.
- Open the "product in" valve (2) slowly to allow the product to flow into the keg.
- Control the filling speed and foaming throughout the fill by adjusting the "gas out" valve (3).
- Note: The filling pressure should not exceed 3,0 bar / 43.5 psi.
- If an accurate fill is required it is recommended filling the keg on a scale.



5. End of Filling:

- Once the keg is determined to be full either by weight or by level.
- Note: It is recommended to leave a headspace at the top the keg of at least 200ml / 8.5 fl oz.
- Adjust the back pressure control settings so that pressure in the keg after the fill has been completed remains above 0.7 bar / 10 psi. This helps to improve the strength of the keg during transportation etc.
- Close the "gas out" valve (3) followed by the "product in" valve (2), then lift up the handle.
- Turn the filling head counter clockwise and remove it.
- Clean/disinfect and dry the fitting .
- Put a snap-cap / dust-cap on the keg fitting and place the keg in the box.
- Note: If circumstances allow, use filling temperature above the dew point **or** acclimatize the kegs before placing into boxes **or** use waterproof boxes.

After Filling: Open all valves, clean the filling head with water and store it in disinfectant or under dry atmosphere.



petainerKeg D-Type Filling Head (Article-number: A2230.1.33)

- 1 "gas in"
- 2 "product in"
- 3 "gas out"