

Manual filling instructions for **Dolium®** kegs

ENG - version



Manual filling instructions

EQUIPMENT



CO₂/N₂ source with pressure regulator (3,5 bar max.)

Disinfectant (alcohol or PA of 100 ppm)

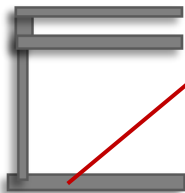


Neck carriers

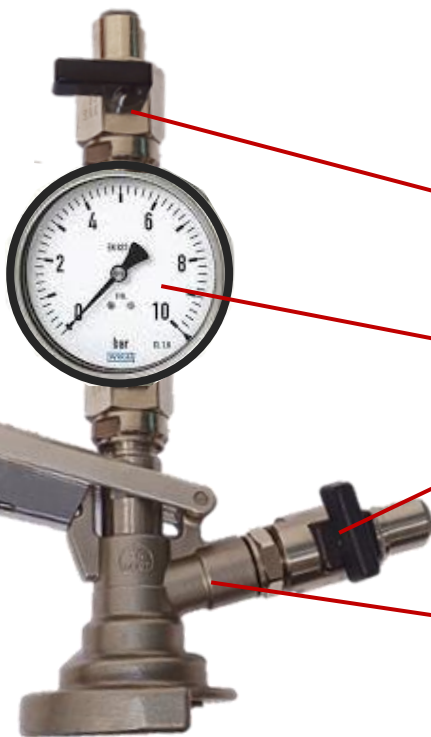
Keg caps



Keg stand



Hoses for beer/CO₂



Ball valve - outlet

Pressure gauge

Ball valve - inlet

Coupler without non-return valve

Manual filling instructions

PREPARATION

1. Preparation

Watch [Movie-filling instructions](#)

Read [Handling & Safety manual](#)



2. Working area

The filling must be carried out in a clean and spacious working space, away from areas and surfaces with water condensation and caustic cleaning products.

3. Cleaning

Prepare peracetic acid (PAA) solution with 100 – 150 ppm concentration.

Prior to starting the filling, execute the CIP/cleaning of the beer/CO₂ line.

Disassemble the coupler and disconnect all connections. Place all parts, seals and hoses in the PAA solution for 15 min. Ensure the solution fills the entire interior of the hose.

Disinfect the CO₂ hose, all BBT/ tank fittings and seals with the PAA solution. Wait 15 min. for the PAA solution to react.

4. To start filling

Assemble the coupler as per the picture on the previous page.

Check beer temperature (0-10°C)

Check beer carbonation (4,5 – 5,0 g CO₂/L)

Check pressure beer tank (between 1,5 – 3,0 bar)

Connect the CO₂/N hose to the coupler and open the main valve.

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FILLING

Rinse and disinfect keg valve with PAA (5min.) / alcohol spray (15 min.) prior to filling.



1.

Attach sterilized coupler connected with CO₂/N to keg.



2.

Turn keg upside-down on filling stand.



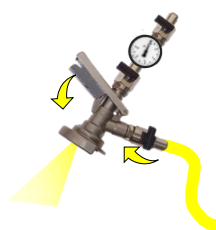
3.

Flush 20 seconds with CO₂/N, 1,5 bar counter pressure and close valves afterwards.



4.

Disconnect coupler, connect beer line and purge first liter(s) of beer.



5.

Disinfect and recouple again with beer.



6.

Open ball valve from beer inlet and open CO₂/N outlet while keeping counter pressure to avoid foaming.



7.

Close both valves when keg is filled leaving 1 bar residual pressure on the keg.



8.

Disconnect coupler, rinse and sterilize keg valve. Put on keg cap and neck carrier.



9.