

# LIQUID SOLUTIONS

EXPERTS IN LIQUIDS PROCESSING FILTRATION AND BOTTLING

Product ref. FL – 14

Date: 14/09/12

## Counter-pressure bottle / keg filler /carbonator

LCW400 carbonator and filling machine is a twin head machine designed to fill from 200ml to 2 litre glass or PET bottles, plus kegs and mini-kegs (with attachment)

- Product – Beer, still and carbonated soft drinks, mineral water and wine
- Filling Temperature – up to 8°C (<5 °C recommended) for beer, up to 15°C other products
- CO2 content range – 2.0 to 12.0 g/litre

Method of operation –two bottles at a time are placed by hand onto the platforms then closing the safety guard lifts them automatically onto the filling valves. Once the bottles are seated they are filled with CO2 to equalise with the pressure in the filling bowl.

The operator manually opens the filling valve with the levers and the bottles are filled to a level set by the vent tube. With filling complete the operator closes the valve lever and then opens the snift valve in order to vent the headspace of the bottle back to atmospheric pressure.

The operator then opens the safety guard and the lift platforms return to the down position allowing the filled bottles to be removed.

The machine can be supplied with a separate keg filling attachment which can be used to fill 5 litre mini kegs or larger size 20 litre and 40 litre kegs.

May also be used with non-carbonated products.



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## Integral Carbonator

The LCW400 machine incorporates an integral high quality carbonator which works using the atomised product gas infusion principle.

- Product is drawn from the supply vessel by the inlet pump and fed into the carbonating chamber through an atomising spray nozzle .
- Baffle plates within the carbonating chamber maximise surface area which greatly increases the efficiency of the carbonation process.
- Product and pressure levels are automatically maintained
- Product is automatically fed on demand directly to the filler inlet eliminating the need for an intermediate holding tank.

## **Technical Parameters**

Total power required .....1 kW  
Feeding..... 3 x 400/415 V, 50Hz  
Max. Tank pressure..... 8 bar  
Noise levels.....60 – 75 dB (A)  
Dimensions.....0.8m x 0.6m x 2.2m  
Weight .....150Kg



Example prices:

2 – head bottle filler/carbonator	£ 20,650
Keg-filling attachment	£1,250
Twin housing cartridge filtration unit	£7,650

*Prices exclude packing, delivery, commissioning and VAT*