

BQSL

High Gas Volume Pilot Plant

High performance micro bubble carbonator
And Self standing up single head filler.

ACCURATE & CONSISTENT!

You will be surprised by Target CO2 Volume is being provided consistently by simple operation in a short time.



EASY TO USE

Fill Beverage
in Carbonation
tank

Set Target
Gas Volume
and ON

Micro-bubble
carbonation
>10 minutes

Fill by self
standing up
filler 1bpm



<Features>

1. Carbonation is done to TARGET gas volume while measuring carbonation by DGV-1.
2. High performance CO2 micro-bubble generator carbonates in a short time (>10 minutes).
3. Self standing up filler prevents forms and it provides a stable fill consistently.
4. Pilot Plant is a closed type, so there is no loss of gas nor loss of the flavor ingredient.
5. The pilot plant produce up to 5.0 gas volume and products of gas volume below 3.0 can be carbonated and filled in a room temperature.
6. One carbonation tank has a 20 liter capacity. By connecting tanks tandem, over 100-200 liter products can be filled in succession.
7. The top lid of carbonation tank opens wide. All parts inside the tank are removed for cleaning. The pilot plant can be sanitized using chlorine or hot water of 80°C.
8. Simple operation. Just set the required value of gas volume (pressure), filling speed, and filling time. Then switch ON/OFF starts carbonation and filling successively.

“Make your process simple!

High quality is expected

at Lower cost!”

For more information, please contact :

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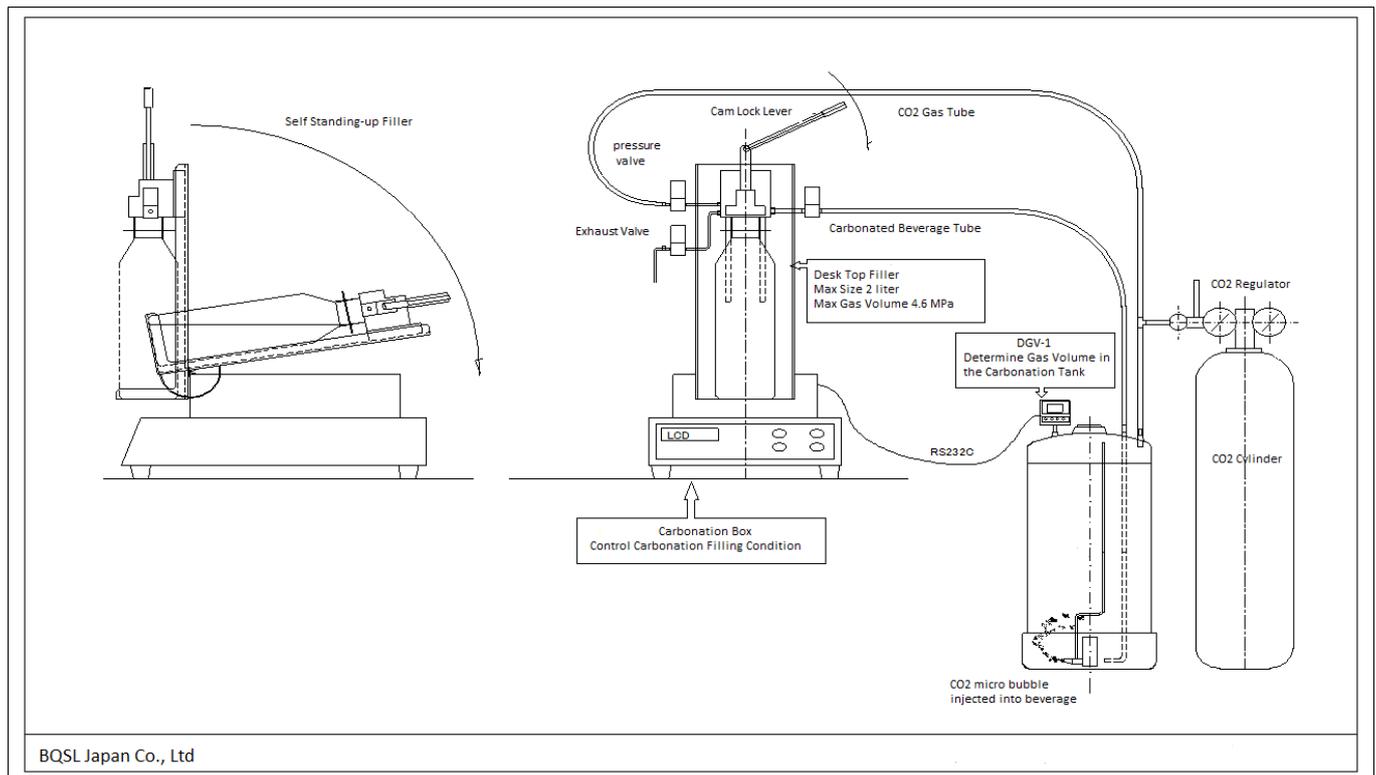
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High Gas Volume Pilot Plant

Construction and Features

BQSL Pilot Plant consists of High performance micro bubble carbonator and Oneseif standing up single head filler.



High performance micro bubble carbonator tank is a size of 20 liter. It has a pressure-resist small micro bubble generator at a bottom of the tank. CO₂ gas is injected in the beverage to be micro bubbles, and the gas is dissolved in very effectively. High performance micro bubble carbonator tank is equipped with DGV-1 which measures gas volume in real time. When the gas volume reaches the setting value, it alarms you with a buzzer.

A standard model of Self-Standing-up Single Head Filler is designed for 28mm finish PET bottles. It can fill the bottles of small size to 3 liter size. Neck Support and Cum Lock Lever enables you to set the PET bottle easily. A filler for cans or glass is also available at your order. If you need a filler for other containers, please contact us.

When you set an empty bottle and press Start switch, the bottle lays down horizontally. At the same time, it received counter pressure and the valve of beverage opens. Then a snift valve which controls the amount of flow opens, and filling starts. The filling starts with a bottle lying horizontally, the flow of beverage is smooth and foaming is very little. During filling, the bottle standing up little by little according to the filling time, and it stands up vertically at the end of filling.