

CF121: Table-Top Carbonator
Carbonates and fills
 with great accuracy on a miniature scale

Introduction Table-Top Carbonator

The CF121 Table-Top Carbonator is designed to give R&D and QA departments the possibility to carbonate (customer) water or post-mix drinks fast, at a very accurate CO₂ level with a minimum of effort.

The start-up time (cooling and saturation) is less than 15 minutes. The unit will automatically refill the saturation vessel with fresh water after every filled container.

Depending on the size of container and CO₂ level, the maximum output of the CF121 is approximate 25 l/hr (based on 50x 0.5 litre PET bottles).



The OMVE Table Top Carbonator is the fastest compact carbonator.

Features	Benefits
• Accurate control of desired level of carbonation	• Highly flexible and accurate product quality
• Automatic pressure control	• Stable CO ₂ content
• CO ₂ content adjustable from 5 to 10 g/l	• Reproduces any CO ₂ containing product
• Intuitive 4-button control	• User friendly operation
• Pre-pressurised filling	• No loss of CO ₂ during filling
• CO ₂ flushing of bottle	• No oxygen during filling
• Any type of bottle up to 1.5 litres can be filled	• Great operation flexibility
• Compact and contemporary Table-Top design	• Fits in any laboratory
• Innovative CO ₂ injection method	• Quick start-up
• Internal cooler	• Minimum preparation time and accurate result
• Optional supplied with a 15 litre vessel	• Suitable for using customer water

Carbonisation

The gas injected into the water uses a specially designed saturation technique, which enables fast and equally absorption of CO₂. An integrated cooler cools the water in the system. The product is saturated to the desired level of CO₂ by an automatic pressure control.

The entire process is controlled by a PLC (Programmable Logic Controller), which enables you to store the last used filling time. The PLC is operated via an intuitive 4-button interface.

**Optional Accessories**

- Filling heads
- Carrying strap for PET-bottles up to 1.5 litres
- Trolley
- Additional vessel
- Additional cooling

Specifications**Process parameters**

Cooling temperature 6 °C fixed
CO₂ content 5-10 g/l, adjustable in steps of 0.5 g/l*

* Lower or higher CO₂ levels are possible on request.

Mechanical parameters

Vessel, valves and piping material SS 316
Frame material SS 304

Overall dimensions

Length x Width x Height 520 x 580 x 950 mm
Gross weight 80 kg

Utilities required

Electricity TTC-A: 220-240V / 1ph / 50Hz
TTC-C: 220V / 1ph / 60Hz **

Water supply Min 1 bar, max 3.5 bar

CO₂ supply 3.5 bar

Nitrogen supply (optional) 3.5 bar

** Other electrical supplies available on request