

CF211 & CF212 Carbo-Fill®

# Carbonates, fills and seals

## More features - Greater control

The CF211 and CF212 are the NEXT Generation Carbonator Fillers with a higher level of hygienic design.

It is designed with a low product vessel and one or two filling heads for high throughput, and has the same configuration as the CF210: integrated cooler, integrated CIP program, usable for both pre-mix and post-mix carbonation, adjustable container sealer and flexible carbon saturation up to 11g/L.

CF211



### Features

- Integrated cooler
- Cleaning-In-Place (CIP) program, standard with spray nozzle
- Pre-mix & Post-mix drinks carbonation
- Integrated sealers
- CO<sub>2</sub> content up to 11g/L.
- Low vessel for easy accessibility
- Remote assistance\*
- extended CIP (with CIP unit)

\*optional

### Applications

- Water
- Soft drinks
- Beer & Alcoholic drinks
- Juices & Concentrates
- Coffee and Tea

### Working Principle

The gas is injected into the product using a special designed injector. This achieves excellent absorption of CO<sub>2</sub> without inducing foam. The product is saturated to the desired level by an automatic pressure and temperature control. Saturation time is approximate 1 liter/minute, after which filling can commence. The entire process is controlled by a PLC (programmable logic controller) which can store up to 50 different operational scenarios giving control over temperature, pressure, fill time etc.









CF212

Carbonation

CF



## Standard accessories

					
46 liter tank	Crown cork sealer	Screw cap sealer	Can seamer	PET bottle neck holder	Vacuum pump

## Specifications

## Process parameters

Max. operational pressure	3 bar [43,5psi]
Cooling temperature (internal)	4-6°C [39-42,5°F] accuracy 0,1°C [°F]
Flow rate (CF211 / CF212)	60L/h / 105L/h
CO <sub>2</sub> content	Max 11g/L
Cleaning temperature	Max. 80°C [176°C]

## Overall dimensions

Standard saturation vessel	46L
L x W x H	176x78x190cm [69,3x30,5x74,8"]
Gross weight	430kg [948lbs]

## Required utilities

Electricity	200-240Vac /1ph+N+E /50Hz/ 16A or 200-240Vac /2ph+E /60Hz/16A
Water	2-3bar [29-43psi]
Compressed air	6bar [87psi]
CO <sub>2</sub> supply / Nitrogen supply (optional)	4-5bar [58-72,5psi]
Drains	needed

## Family Equipment

	CF121	CF210	CF211 / CF212	CF213 / CF214	CF310
Carbonates Water	✓	✓	✓	✓	✓
Carbonates Finished drink		✓	✓	✓	✓
Counter pressure filler	✓	✓	✓	✓	
Output* (max.)	30L/h	60L/h	60 / 105L/h	60 / 90L/h	n.a.
Hygienic design	✓	✓	✓	✓	✓
Sterilize system					✓
Integ. can seamer				✓	

\*based on filling carbonated water

## Why OMVE

- ✓ Since 1993, we have **specialized** in supplying manufacturing R&D and pilot-plant equipment.
- ✓ OMVE is a **preferred supplier** to leading multinationals worldwide.
- ✓ OMVE systems are designed and manufactured according to the **highest industry standards**.
- ✓ OMVE systems come with a **two-year** warranty.
- ✓ OMVE systems carry **CE certification**.
- ✓ OMVE offers the **most comprehensive service** available on the market.