

CF213 & CF214 Can seamer - Carbo-Fill®

# Carbonates, fills and seals



With integrated can seamer

The CF213 and CF214 are completely unique in the market they are specifically designed to carbonate applications that are filled in cans. It's using the same working principle as an industrial filler, but at small scale. The integrated can seamer assures that every filling and closure will be done in the same way and time. When accuracy and reproducibility of filling and closing cans is your main concern this is the system you are looking for.

The system is designed with one or two filling heads, for higher throughput.

## Features

- Built-in can seamer
- Integrated cooler
- Cleaning-In-Place (CIP) program
- Pre-mix & Post-mix drinks carbonation
- CO<sub>2</sub> content up to 11g/L.
- Advanced CIP package

## Applications

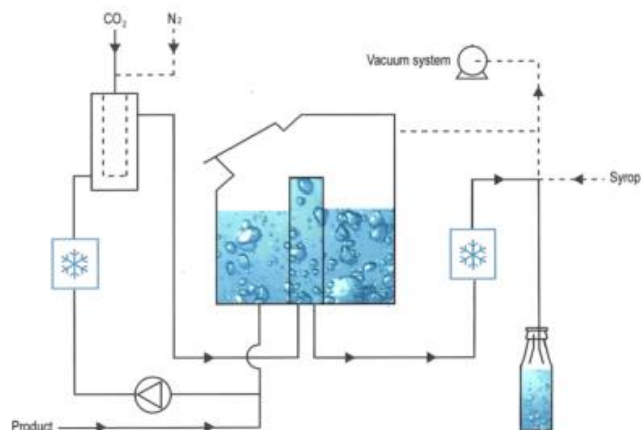
- Water
- Soft drinks
- Beer & Alcoholic drinks
- Juices & Concentrates
- Coffee and Tea

## Also used for:

- Packaging testing (cans, glass/PET bottles)
- Closures testing

## 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.




Carbonation

CF



## Standard accessories

				
46 liter tank	Crown cork sealer	Screw cap sealer	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 (CF213 / CF214)	60L/h / 90L/h
CO <sub>2</sub> content	Max 11g/L
Cleaning temperature	Max. 80°C [176°C]

## Overall dimensions

Standard saturation vessel	15L or 46L
L x W x H	232x111x210cm [91,5x44x83"]
Gross weight	1050kg [2315lbs]

## Required utilities

Electricity	370-400Vac /3ph+N+E /50Hz/ 16A or 200-240Vac /3ph+E /60Hz/ 16A
Water	2-4bar [29-58psi]
Compressed air	6-8bar [87-116psi]
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.