

FS210 & FS211: Clean-Fill range

## Hygienic Filling & Closing Bench for miniature & pilot scale



### Introduction OMVE FS210 Clean-Fill & FS211 Clean-Fill ESL

There are still many laboratories and pilot plants that fill and close the heat-treated product in an open "contaminated" atmosphere. When filling in a normal filling hood, the complete filling line is not part of a CIP and/or SIP procedure. This will create unacceptable variations in the quality of your trials and gives not a representative simulation of an industrial process line.

With the special designed Clean-Fill & Clean-Fill ESL, OMVE offers the widest range of filling benches/ hoods for laboratories and pilot plants within the food industry. Different packaging can be filled and closed within the hygienic environment.

#### Features

- Minimum height of the unit
- Adjustable front window
- Information on TFT touch screen (ESL only)
- Smooth surface
- Complete Stainless Steel
- Integrated in cleaning loop
- Integrated in sterilisation loop (ESL only)
- Sterile air by a HEPA-Filter
- On wheels
- Wide working area
- Upgrades are possible

#### Benefits

- No assembling required on site
- Easy for operation & during cleaning
- Easy to operate
- Easy to clean
- Resistant against detergents
- Part of the cleaning system with UHT system
- Enables to sterilise complete product line
- Minimise contamination
- Easy to move
- Makes working with the unit more pleasant
- Additional requirements easy to add

The OMVE **Clean-Fill** creates class 100 working environment ensuring protection for (non-hazardous) products, which have to be filled in a hygienic environment. The continuous down flow and over pressure,

created by the sterile air coming from the HEPA-filter, prevents inflow of contaminated air from outside the filling bench.

### Two types of Down Flow Filling Benches

1) The **Clean Fill Basic** is a special designed Filling Station in stainless steel with a filling point. A manual hygienic 3-way valve within the working chamber controls the filling. A closed loop cleaning is standard.

2) The **Clean-Fill ESL** (Extended Shelf Life) is a special designed Filling Station in stainless steel with a filling point. A foot pedal for filling the containers controls an automatic hygienic 3-way valve. A closed loop cleaning is standard. The temperature of the coldest spot is displayed on the touch screen during sterilisation. The condensate cooler assures controllable cooling of the pressurised water or steam during sterilisation.

The Clean-Fill and the Clean-Fill ESL are part of the FS200 filling bench range. This range consists of:

- **Clean-Fill FS210** Down Flow Filling Bench with CIP possibility
- **Clean-Fill ESL FS211** Down Flow Filling Bench with CIP & SIP possibilities
- **Asepto-Fill FS212** Microbiological Isolated Filling Bench with CIP, SIP, isolated filling environment & gamma radiated containers. *For more information ask for the Asepto-Fill brochure.*

### Optional accessories

- Buffer tanks
- Hygienic closing devices
  - Hot Sealer
  - Can Seamer
  - Crown Cork Capper
  - (Plastic) Screw Cap Closer

### Specifications

Name	Clean-Fill	Clean-Fill ESL
Product code	<b>FS210</b>	<b>FS211</b>
Flow direction	Down flow	Down flow
Filling controlled by	<b>Manual 3-way valve</b>	<b>Automatic foot pedal</b>
Cleaning	CIP	CIP
Sterilisation	-	SIP
<b>Dimensions</b>		
Exterior l x w x h	1290 x 900 x 1900mm [50.7" x 35.4" x 74.8"]	1290 x 900 x 1900mm [50.7" x 35.4" x 74.8"]
Work area l x w x h	1190 x 600 x 600 mm [46.8" x 23.6" x 23.6"]	1190 x 600 x 600 mm [46.8" x 23.6" x 23.6"]
<b>Weight</b>	200 kg [~441 lbs]	200 kg [~441 lbs]
<b>Electrical requirements</b>	230V / 1ph / 50Hz / 16A	230V / 1ph / 50Hz / 16A
	Other electrical requirements available on request	