

Reliable Productivity and Safety in Filling Machines

SP1

PLUG & FILL SERIES

AUTOMATIC FILLING MACHINE FOR PALLETISED CONTAINERS FROM 20 TO 1500 L

Automatic filling machine SP1 from AiCROV's Plug & Fill Series.

Filling machine for filling liquid and viscous products in palletised containers from 20 liters to 1,500 liters completely automatically and safely for the operator.

Benefits

- ✓ Fully automatic filling at double flow with automatic tare in each cycle.
- ✓ Quick and simple set up and configuration.
- ✓ Fully automatic filling quality control at the end of each filling cycle to ensure that the required tolerances are fulfilled.
- ✓ Control cabinet and operation panel fully integrated in the equipment. It does not require any installation on the customer's plant.
- ✓ Possibility of manufacturing in stainless steel and with special surface treatments for aggressive products and environments.
- ✓ Version for foaming, flammable, explosive and / or corrosive products.



EQUIPMENT CONFIGURATION AND OPERATION

1. Set up the filling recipe on the operator panel with the weight to be filled, the fine adjustment and the filling mode (by immersion, under bunghole or over bunghole). The operator panel can store the recipes for different products, so it is only necessary to enter them the first time.
2. Adjust the height of the filling head manually and without tools to adapt it to the height of the containers to be filled.
3. Place the pallet with the empty containers on the scale platform, align the filling nozzle with the containers bungholes and press the start button to start the fully automatic filling cycle.
4. When all containers has been filled, take out the pallet from the scale.
5. Repeat points 3 to 4 as many times as containers you need to fill.

TECHNICAL SPECIFICATIONS

Approximate nominal production	65 drums/hour (220 liters) - 15 IBC/hour (1.200 liters)
Approximate weight	600Kg
Weight scale resolution	3.000 divisions: 500gr (standard) 6.000 divisions: 250gr (optional) 10.000 divisions: 100gr (optional)
Power	Electrical: 240 VAC, 50-60Hz, <1Kw Pneumatic: 6Bar, 40 NI/cycle approx.
Room temperature	5-35°C (out of this range on request)
Product temperature	0-130°C (out of this range on request)
Movie	https://www.youtube.com/watch?v=weKvPIN3qjY&t=0s

AVAILABLE ACCESORIES

- ✓ Gas hood with anti-drip system.
- ✓ Product hose support system.
- ✓ Proportional filling control.
- ✓ Product feed pump control.
- ✓ Communication with plant.
- ✓ Pneumatic debunging, bunging and sealing tools.
- ✓ Internal and external cleaning system for the filling nozzles.
- ✓ Integrated flushing system.
- ✓ Coding of filling nozzles for incompatible products.
- ✓ Rack for filling nozzles storage.
- ✓ Data storage at AiCROV's DB.
- ✓ Nitrogen purging.
- ✓ Overfill detection.
- ✓ Remote device access module.
- ✓ Manual grounding system for containers.
- ✓ Additional scale for filling jerrycans.