

Reliable Productivity and Safety in Filling Machines

# RFX4 ROBOT FILLER SERIES

THE MOST AUTOMATED FILLER IN THE MARKET FOR THE FILLING OF PALLETISED 220L ISO DRUMS AND IBC USING LAST GENERATION ROBOTS.

Fully automatic filling machine **RFX4** from **AiCROV's Robot Filler Series**. A fully automated filler for filling liquid and viscous products in palletized 220 liters ISO drums and IBC completely automatically and safely for the operator, integrated in an automatic conveying line. It can also include the automatic debunging, bunging and sealing of the drums and IBC.

## Benefits:

- ✓ Fully automatic filling at double flow with automatic tare in each cycle. Automatic bunging with adjustable torque available. Automatic sealing available.
- ✓ Fully automatic filling quality control at the end of each filling cycle to ensure that the required tolerances are fulfilled.
- ✓ 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.
- ✓ Customer's conveyor line tailor made designed.
- ✓ Easily integrable with other equipment such as labellers, palletizers...
- ✓ Maintenance and adjustment required much lower than traditional solutions.
- ✓ The highest productivity in drums/hour in the global market.



## 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. Place the pallet with the drums or IBC on the infeed conveyor, which will automatically move them to the filler. When the containers reach the filler, the automatic process of detecting the bunghole (with an artificial visio system), debunging, filling, bunging and sealing will be done. The entire operation is performed completely automatically.
3. The operator should only worry about loading pallets with empty containers and unloading those that are already finished.

## TECHNICAL SPECIFICATIONS

<b>Approximate nominal production</b>	Only automatic filling: 150 drums/hour (220 liters) - 30 IBC/hour (1.200 liters)
	Debunging + Filling + Bunging: 150 drums/hour (220 liters) – 30 IBC/hour
	Debunging + Filling + Bunging + Sealing: 150 drums/hour (220 liters) –30 IBC/hour
<b>Approximate weight</b>	5.000Kg
<b>Weight scale resolution</b>	3.000 divisions: 500gr (standard) 6.000 divisions: 250gr (optional) 10.000 divisions: 100gr (optional)
<b>Power</b>	Electrical: 240 VAC, 50-60Hz, <10Kw Pneumatic: 6Bar, 400 NI/cycle approx.
<b>Room temperature</b>	5-35°C (out of this range on request)
<b>Product temperature</b>	0-130°C (out of this range on request)
<b>Movie</b>	<a href="https://www.youtube.com/watch?v=BRQHP7VwyLI">https://www.youtube.com/watch?v=BRQHP7VwyLI</a>

## AVAILABLE ACCESORIES

- ✓ Gas hood with anti-drip system.
- ✓ Internal and external cleaning system of the filling nozzles.
- ✓ Overfill detection.
- ✓ Product hose support system.
- ✓ Integrated flushing system.
- ✓ Remote device access module.
- ✓ Proportional filling control.
- ✓ Coding of filling nozzles for incompatible products.
- ✓ Automatic grounding system for containers.
- ✓ Product feed pump control.
- ✓ Rack for filing nozzles storage.
- ✓ In/Oute conveyors.
- ✓ Communication with plant.
- ✓ Data storage at AiCROV's DB.
- ✓ Nitrogen purging.