

Drum Filling Machine with PLC System Mod. RF200E

Single-head drum filling machine, with PLC system communicating with load cell scale.



For filling in commercial 200 liter drums (or containers of different capacity) high/very high viscosity materials such as silicone, acrylic, polyurethane, etc.

The filling machine mod. RF200E **fills by weight** 200 liter commercial drums (on request, also containers of different capacity) with high/very high viscosity products **avoiding trapping air bubbles in the product** during filling.

The machine prevents the formation of air bubbles because it **fills the drum from the bottom, going progressively upwards** while filling the container.

The machine is provided with a **load cell scale** and **stops automatically** closing the product cut-off ball valve **when the set weight is reached**.

On request, it is possible can have a **filling kit** also for **20-25 liter pails/buckets**.

This model is characterized by being **provided with a PLC system communicating** a load cell scale for the **automatic stop of the filling** once the **desired weight has been reached**.

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- **Strong welded frame** with central column to be bolted to the floor. On request, **movable version on wheels**.
- **Load cell scale** with 600 x 600 mm platform and 600 kg load bearing capacity for the possible resting on the platform of a **roller conveyor with idle rollers** for **easiest movement** of the drum after filling.
- **Load cells scale** Brand Mettler Toledo or Laumas, or on request.
- **Filling head** provided with a sensor detecting the distance from the product (settable), to **avoid distorting the weight**.
- **PLC and HMI touch screen** display Siemens (or on request) for the **simplest human-machine interface**.
- **Head supporting cart** and **filling pipe**, with vertical sliding on linear bearings.
- Standard 3" DN80 **product passage hose**, fixed to the ball valve with **quick couplings** for **quick disassembly and cleaning**.
- Standard 3" DN80 **ball valve** (not always necessary with products with a higher viscosity) fixed with quick couplings between the product pipe and the filling disk, with **pneumatic actuator** for the opening controlled manually from the control panel and for automatically closing when the drum is totally filled.
- **Handling of the cart** with the filling unit on linear bearings by means of an electric motor for the **most accurate motion control**.
- If connected to one of our presses/extruders, integrated our **communication system that starts and stops the press** when the drum is empty or full.
- **Control panel** for **starting-stopping opening-closing** the ball valve and with **HMI touch screen** for **setting the parameters and the filling weight**.
- On request, standard 3" DN80 hose fitted with **quick couplings for the connection of the machine to the press** feeding the product.

