**AUTOMATIC GROSS WEIGHING BIG BAG FILLING UNIT**

The FlowMatic® 04 model is a complete solution for big bags automatic packaging with gross weighing (dosing / packaging / conveying). This model is designed for continuous operation at very high flow rate. The big bag FlowMatic® 04 is fitted with all the options necessary for big bag filling with minimal human intervention.

### Advantages

- **Conveyor and dynamic buffer storage**: high flow rate and flexible installation
- **Dosing and weighing**: automation and ergonomics of filling station
- **Automatic big bag release**: process time optimization
- **Pallet unstacker**: for 15 of multi format pallets

### OPERATING SEQUENCE

**AVERAGE TIME FOR A COMPLETE CYCLE: 1 MIN 30 S**

1. The empty pallets are automatically placed on a conveyor
2. The big bag is placed on the filling station
3. The big bag inlet is connected to the rotating filling head by an inflatable gasket ensuring the sealing
4. The height of the filling spout is adjusted by pneumatic cylinder according to the size of the big bag
5. A fan inflates and shapes the big bag
6. Another fan is used to exhaust the air through a reverse jet filter
7. Big bag filling process at high flow rate
8. The big bag is laying on the pallet; bottom shaping (big bag stability during handling process)
9. The vibrating table provides material densification (operated by sequence during the filling process)
10. Weighing control: low filling flow rate to adjust final dosing
11. The empty pallets are automatically placed on a conveyor
12. Automatic big bag release towards storage area (big bag stacker conveyor)

### TECHNICAL SPECIFICATIONS

- **Flow rate**: 20 to 40 big bags/hr
- **Weight capacity**: 2 tons/big bag
- **Objectives**: high flow rate & ergonomics of the filling station
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**Manufacturing materials:** mild steel, SS 304L, SS 316L

- **Finishes**: RAL 9006, micro-blasted, electropolishing
- **Installed power**: 8.7 kW
- **Average power consumption**: 1.1 kW
- **Compressed air consumption**: 6.6 Nm³/hr
- **Service pressure**: 6 bars
- **Input 4 - 20 mA**: 1
- **Input TOR**: 1
- **Output TOR**: 13
- **Weighing precision**: ± 500 grams
- **Dust collecting rate**: 300 m³/hr
- **Maximum dimensions of big bags**: Length x width x height: 1.200 x 1.200 x 2.400 mm

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**Options**

- Welder for inner liner
- Big bag covering

See all our options on page 28

[Download videos & layouts from our website](www.palamaticprocess.com/powder-machine/flow-solutions/big-bag-filling-systems/flowmatic-04)