

Big Bag filling unit

for filling and weighing



- For granulates and powders
- Filling according to weight
- Dust-tight filling
- Adjustable for different big bag sizes
- Stainless or mild steel
- Mobile or stationary unit
- Easy cleaning and maintenance
- Can be manufactured according to OIML R76
- Food safe according to EU 1935/2000 regulation

Application

Big Bag fillings units are used for weighing of powders and granulates.

The filling unit is constructed according to the customers' requirements and in that way, it is a unique unit. Though, it consists of a series of standard modules with optional accessories. Standard modules are lifting yoke, weighing frame, load cells and filling nozzle with connection to a dosing arrangement. Optional equipment may be valves and weighing computers. The filling unit can be constructed for different big bag sizes and for several big bags.

When a big bag is ready to be filled, the operator attaches it to the frame by putting each of the big bag loops around a hook on the lifting

yoke. Hereafter, the mouth of the big bag is placed around the filling nozzle, which has a closing arrangement that makes the connection dust-tight. The big bag is lifted and blown up in order to provide an optimum filling and distribution of the material. The filling itself is done by a vibrator, a dosing worm, a belt conveyor, or another arrangement. The material is dosed according to a pre-adjusted set point value. During the filling, the operator can see the actual value on the control board. After the filling the mouth of the big bag is removed from the filling nozzle and closed. Then the big bag is lowered onto a pallet and the loops are removed from the hooks. Now the filled big bag can be removed.

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Technical data

Standard modules

Lifting Yoke
 Weighing Frame
 Load cells
 Overload protection
 Connection to filling arrangement
 Dust exhaustion
 Compressed air connection

Optional accessories

Vibrator for optimum filling
 Filling equipment (dosing worm
 etc.) Valves or dampers for filling
 control

Weighing

Weighing computer and process controller,
 Pre-set weighing indicator, model
 Mikrotek-2012
 Filling and weighing may be controlled as
 a part of an existing process control
 system

Approvals

- Can be constructed according to OIML R76

