

OSC 92UL TFM-18APX 18L can full automatic filling device

Pressure resist explosion proof type

<Features>

Fully explosion proof specifications

- Fully explosion proof not found in other companies, possible to install all devices within dangerous area.
- As the intrinsically safe specifications it is not necessary to install control panel that houses the barrier at the safe place, only supplying power and air.
- Wiring and plumbing works to safe place is not necessary which reduces cost.

Control unit

- From designing/manufacturing of mechanism and system . designing to creation of software is done consistently in house.
- Adopting pressure resist explosion proof PLC for control part enabling to control various action, data acquisition and work together with other system devices are possible.



<Specifications>

1. De-palletizer
-Manually connect dedicated empty can basket to the apparatus. -Automatically transfer empty can from the basket to the apparatus. -Empty can basket stock : max. 72 cans (6 cans x 3 lines x 4 stages)
2.Un-capper
-Judges whether the can mouth position is adequate or not. Removes metal temporal cap.
3.Filling machine
-Executes filling of a certain quantity. -Weighing : Pressure resist explosion proof single point load cell -Capacity/division : 30 kg/0.01 kg -Filling : Input : 2 stages input -Liquid contact part material : SUS304 (packing : Teflon) -Auxiliary equipment : auto drip pan device -Filling capacity : 100 cans/h (*) -Filling accuracy : $\pm 0.1\%$ F.S. (*) (*) With constant flow rate water and filling pressure 0.2 MPa
4.Check balance
-Executes re-check of filling quantity. -Pressure resist explosion proof type load cell 1 point -Capacity/division : 30 kg/0.01 kg (National assay applied product)
5. Capper
-Automatically mounts caps to filled cans
6. Labeler
-Automatically affixes labels to the filled cans. -Checks propriety of affixing by an optical fiber sensor. -Dedicated for side face affixing type vertical type tack label class 1 (roll type) -Affixing capacity : 300 cans/hour
7. Re-capper
-Checks whether the cap is correctly fixed and at the same time executes re-pushing of cap.
8. Palletizer
-Loads filled cans onto the pallet automatically. -Pallet size : 1200 mm x 1200 mm x 150 mm (H) -Loading pattern : 5 cans x 5 cans x 3 layers