



FLOWER BUCKET FILLING UNIT

Type OVA-(D)

This flower bucket filling unit can be used to de-stack and fill several types of "nested" buckets. The buckets should have a top edge and protrusions at the bottom to prevent the buckets from sticking.



Design

The OVA-(D) consists of:

- a depiler with three sets of guideways for different types of buckets;
- a belt transporter (2500 or 4000 x 300 mm) with stainless steel drip-tray (b = 400 mm) and a "full" signal at the end;
- a filling unit with sealer, perlator and photocell.

One unit is made out of these three parts This unit is placed on wheels and equipped with an operating system. Optional: a lengthened belt transporter, water pressure regulator, dispenser for pre-treatment agents, compressor, "unit pretreatment agent empty" signal, supply belt for piles of buckets and a possibility to enter piles of less than five buckets into the depiler.

Process

A pile of buckets (max. 800 mm in height) is placed manually on the depiler. Here the bucket guideways have been adjusted according to the size of the buckets. The depiler will now separate the bucket at the bottom of the pile by means of three

worm wheels. In case the bucket is not properly released, a jet of compressed air is used to achieve the desired result. The buckets are taken one by one from the depiler to the filling unit. Here they are filled with a preset amount of water. After this filling process the buckets are gradually moved until there is no place left on the belt. Now the buckets can be removed. This can either be done manually or by means of a complementary conveyor system.

Characteristics

machine can be adjusted in order to be able to process containers 566, jet of compressed air guarantees (second stage) release, adjustable amount of water in filling unit.

Technical specifications

capacity:	max. 400-600 buckets/hour at a water amount of 2 litres/bucket, 3 bar water pressure and a service pipe of 22 mm or 3/4" (there must be enough supply capacity)
water connection:	3/4" GEKA connection
feeding:	230/400 V, 3 phases+zero+earth, 50 Hz
connection:	10 metres feeding cord with 5-polar CEE plug, 16 A
compressed air:	working pressure 6 bar, connection 1/2" (80 normal litres/min)
transportation height:	850 mm (± 100 mm)
bucket measurements:	max. diameter 290 mm; max. height 350 mm; min. top edge width 5 mm; min. top edge height 5 mm; min. space between 2 edges 9 mm.

Besides the flower bucket filling unit - type OVA(D) - Bercomex also supplies:

- container and bucket filling units, type: Aquafill, AOV, LV, Multivuller
- Pokon & Chrysal T-bag dosing units
- flower processing lines
- elastic binders
- sleeving units
- Bercomex horti systems
- transport systems / logistical solutions