



Fluidor Equipment B.V. | Fluid, Drum & Containerhandling

TOTE BIN DUMPER PASTE



DESCRIPTION

The Tote Bin Dumper Paste has been designed for an efficient handling of 1200 litre boxes or tote bins, containing aseptically packed viscous products like tomato paste (up to 38° brix) with a maximum viscosity of 25.000 cP.

This machine is fully automatic, prior to loading the covers of the boxes need to be removed.

The boxes are placed on the roller conveyor section where the lids will be removed.

The boxes will be automatically lifted and emptied, the aseptic bag falls on a stainless steel wire netting belt for transport through a washing section where the aseptic bag is washed externally by hot or cold water. Washing water can be re-circulated after filtering.

After washing the bag is fed into the squeezer that travels over the product hopper.

During that travel the bag is automatically cut open, this allows the product to fall into the product hopper where it is discharged by an integrated screw conveyor to an external lobes pump. The bag is squeezed by a heavy duty squeezer, reducing the product loss to a bare minimum (< 0,1%). The squeezer is engineered in such a way that the spouts do not have to be removed up front.

It is also possible with this machine to empty one 200 l drum per cycle using the special drum adaptor.

EXECUTION

- Stainless steel AISI 316 for product related components, other AISI 304. Except some standard trade components.

CAPACITY

- Depending on drum infeed & product: 20 tote bins or up to 20 drums per hour
- Pump capacity up to 20 m³ product per hour.
- Counter pressure max. 12 bar.

TECHNICAL DATA

- Length overall : 9.500 mm.
- Width overall : 5.000 mm.
- Height overall : 3.850 mm.
- Platform height : 1.050 mm.
- Total weight : 12.000 kg.
- Installed power : 38 Kw.

BOX AND DRUM SPECIFICATION

- Dimensions drums: Width: from Ø480 to Ø630 mm
Height: from 810 to 1.000 mm
- Max Dimensions Box: Width: 1.250mm Length: 1.400mm Height:1.250mm
- Max lifting weight Box: 1500 kg

EXAMPLE LAYOUT WITH POSSIBLE PROCESS OPTIONS

