

# MURZAN

DUS-15 Dump Buggy (Eurobin) Unloader



The Murzan DUS-15 is the ideal solution for unloading hygienic dump buggy (EUROBIN) containers. Used in applications that no pump alone can handle. The system unloads viscous fruit and savoury pie fillings, mashed potatoes, highly viscous products, and products with delicate particles or large solids up to 3 inches (76mm), cleanly, quickly, and with no change in consistency on most products. Additionally, the Murzan DUS-15 conforms to FDA requirements for approved materials, is CIP capable, and incorporates the USDA listed Murzan PI50.

## Construction

The Murzan DUS-15 system utilizes a T-316L stainless steel, hygienic Double-Suction Murzan PI50 Diaphragm pump. This pump is mounted on a polished stainless steel follower plate and fitted with a food grade flexible wiper ring which cleans the inside of the EUROBIN as it is emptied. The pump and polished follower plate are supported by a T-304 stainless steel polished or glass bead blasted frame.

The DUS-15 is equipped with two air cylinders that lift the pump and follower plate out of the EUROBIN once it is empty. Hygienic Easy-Lift casters allow moving the DUS-15 to additional locations for production and for cleaning. A NEMA 4X stainless steel control panel is supplied with this unit.

## Operation

The operation of the DUS-15 is very simple. With the EUROBIN in place, the compressed air in the bottom of the air cylinders is released, and the pump and follower plate are lowered into the bin.

The pump and follower plate rests on the surface of the product. As the product is pumped out of the EUROBIN, the pump and follower plate travel down into the container wiping the walls of the bin. Once the bin is empty, air is directed back into the air cylinders and the pump and follower plate are lifted out the EUROBIN.

## Capacity

Capacities exceeding 200 kg (440 lbs) per min may be achieved depending on the specific gravity, viscosity, consistency of the product, and the total dynamic head (TDH) of the application.

## Advantages of the Murzan DUS-15

- Cleanly empties EUROBINS without altering product consistency or density on most products
- Improved gentle treatment of the product and faster unloading compared to other methods
- Provides hygienic, hands-off solution for unloading EUROBINS
- Can feed multiple depositors from one location
- Portable for cleaning and easy changeovers
- Designed for CIP capability

## Applications

Unloads savoury pie fillings, viscous sauces, mashed potatoes, products with delicate particles or large solids up to 3 inches (76 mm), and other viscous products for Ready-Meals manufacturers and the broader Food Industry.

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