

MPFSH-075 New Features

We have listed below some of the changes made to the MPFSH-075 volumetric filling machine to better respond to evolving customer and industry standards to improve sanitation, cleaning, safety, maintenance, and efficiency of the machines.

IMPROVEMENTS WITH SANITATION

- The top surface of the control cabinet is sloped away from the door in both directions
- The bottom of the conveyor has been raised by 12" (30 cm) clearance from the floor
- Stainless steel gear box and motor and the conveyor. No safety guard to potentially trap food particulates.
- Top positive traction drive for the conveyor belt. The belt is blue in color and is designed with special belt fingers or solid cleat depending on the products filled. The belt does not slip and requires no tension and consequently has a longer life. Better accuracies are also achieved.
- Extended spray cover shield on the top of the conveyor to better maintain the product into the bed of the conveyor
- The belt water spray and holes have been eliminated on the conveyor for improved sanitation
- D-rings are used to support loose air hoses and electrical cables. No more cable ties used to bundle the hoses and cables that could trap food particulates in between.
- All parts in contact with the product are in 316 stainless steel or food grade plastic materials
- Diamond or round shape frame for the frame of the conveyor/filling head. The base is 6" (15 cm) off the floor. The legs are welded to the frame to eliminate food traps.

IMPROVEMENTS WITH SAFETY

- The electrical safety circuit wiring is CAT3
- The main electrical disconnect is Class J fuse protection
- LED lamp elements on all pushbuttons (no glass bulbs)
- Safety switch on the bottom pulley cover
- Tube hopper with a redesigned safety switch interlock



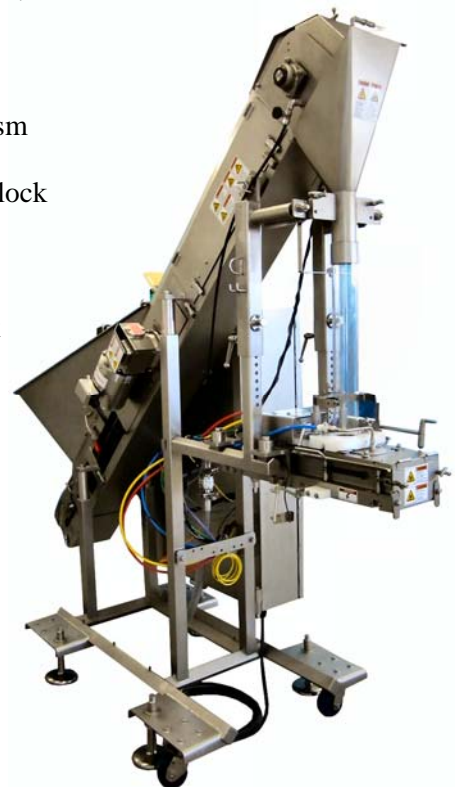
MULTI-FILL Inc. ®
4343 W. 7800 S., Bldg. B
West Jordan, UT 84088
USA

Tel: +1 801 280 1570
Fax: +1 801 280 4341
Web: www.multi-fill.com
e-Mail: sales@multi-fill.com

MPFSH-075 New Features

IMPROVEMENTS WITH CONVENIENCE/EFFICIENCY

- The white vacuum plate under the filling head has been redesigned to improve the seal property when it expands and contracts due to the plant's environment. The vacuum flow and accuracies are improved.
- Right-hand and left-hand models of this filler are available
- The PLC is an Allen Bradley MicroLogix 1200. The interface is an Allen Bradley PanelView 300 Micro.
- The level controller is a 4-digit display instead of an analog potentiometer. This allows for easier and quicker setting of the new level sensors.
- Adjustable head support arms for easy height adjustment over production line or uneven floors
- The pin for the belt lacing has been eliminated. Easier and faster assembly of the belt, as well as better sanitation. The pin cannot be lost. Faster maintenance and cleaning. (Patent pending.)
- The latching mechanism to hold the conveyor hopper in position has been redesigned and simplified. Easier to lock and unlock the conveyor hopper.
- The upper and lower head plates, as well as the side plates remain on the machine for cleaning for improved sanitation. The machine can be disassembled and reassembled faster and without tools.
- More accurate volume adjustment mechanism
- Quick mechanical disconnect on the slide block
- Quick mechanical disconnect on the knife
- Identical Bimba air cylinders on slide block and knife (3.25" heads only) to simplify maintenance.
- The knife air cylinder remain connected to the machine during cleaning



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MPFSH-075 New Features

- Upper and lower head plates as well as side plates remain on filler during cleaning
- No tools needed
- Quick disconnect mechanisms on the slide block and knife

Volume adjustment

All food contact areas
in 316 stainless steel or
food grade plastic

Extended Spray Cover Shield

D rings

Adjustable Arms

Angled cabinet

Allen Bradley
Panelview 300 Micro
with safety cover

Diamond or round shape frame
for improved sanitation

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