



**T.D. Sawvel Co. Inc.**

Providing Automated Packaging Solutions Since 1976

Notes:

## MODEL #704

Automatic Volumetric Inline Filler / Ice Cream Filling Machine / 5 Quart Pail Filler / Bottom-Up Volumetric Filler

### Description:

High-speed automatic volumetric filler featuring continuous product flow, automatic denesting, automatic container transfer, Sawvel's exclusive Bottom-Up<sup>®</sup> volumetric filling and automatic lidding designed for enhanced reliability.

### Products:

Ice cream, frozen yogurt, whipped butter or similar product that does not seek its own level and can be supplied continuously.

### Key Features:

- Mechanical drive
- Sawvel's exclusive Bottom-Up<sup>®</sup> volumetric filling
- Continuous product flow
- Simple, reliable control circuits
- 180° rotation prior to lidding
- Diaphragm style lid feeder
- Easy-to-clean lidding conveyor with motorized pulley
- Drip guards over fill station
- Wide range of custom tooling available
- Enhanced reliability
- Right or left hand operation
- Speeds to 20 cpm
- 304 stainless steel construction

### Container Size Range:

- 5 quart
- 64 ounce / 1/2 gallon
- 4 quart / 1 gallon
- 1 1/2 through 3 gallon

### Container Types:

- Round, square or rectangular nestyle containers



### Options Available:

- Variigators: single and dual flavor, choice of air or electric drive
- 1.5" or 3" bypass valves for ice cream and syrup
- Automatic bypass controls; diverts product if no container is present
- Inline blender; provides uniform color from three-barrel freezer
- Marbling blender for multi-color mixes; creates distinctive pattern while maintaining identity
- Neapolitan adapter for linear flavor separation
- Programmable limit switch
- Tooling for additional container sizes

[tdsawvel.com](http://tdsawvel.com)

Bottom-Up<sup>®</sup> is a registered trademark of T.D. Sawvel Co., Inc.

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### Features and Benefits

#### **Mechanical Drive:**

Three out of four primary motions of the machine are cam driven.

- Provides smooth, high-speed operation
- Simplifies controls circuits
- Enhanced reliability; less down time = more profits
- Two year limited warranty on drive
- Less controls = fewer parts to fail, simplified trouble shooting

#### **Sawvel's Exclusive Bottom-Up® Volumetric Filling:**

Each container rises to meet the incoming product. The product pushes the container downward as it fills.

- Eliminates air pocket formation
- Removes air pockets coming from freezer or ingredient feeder
- Every container fills to the exact same volume, no more over or under fill complaints
- Percentage of freezer overrun determines weight

#### **Continuous Product Flow:**

Each container enters the fill station without product flow interruption.

- Straight fill pipe maintains pattern integrity, allowing you to produce the industries most attractive variegated and multi-colored patterns
- Reduced back pressure at the freezer
- Higher production rates are possible

#### **Simple, Reliable Control Circuits:**

- Saves you money on original purchase
- Saves you from expensive down time
- Saves you money on service trips

#### **180° Rotation Prior to Lidding:**

Each container is rotated 180° prior to the lid placer.

- Assures a clean lidding application
- Eliminated the need to wipe the container after lidding
- Friction driven turn around, no moving parts

#### **Diaphragm Style Lid Feeder:**

Picks lids with a vacuum cup through a rubber diaphragm instead of a spin rod assembly.

- Less moving parts = enhanced reliability
- Works even better on warped or imperfect lids
- Direct acting 4-way limit switches activates cylinder

#### **Easy-to-Clean Conveyor with Tilt-Up Motorized Pulley:**

- Spliced food grade belt for easy replacement
- Tilt-up motorized pulley for cleaning ease
- Motorized pulley eliminates chain drive for enhanced reliability



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Specifications and Elevation Drawing

**Air Requirements:**

10 cfm @ 80 psi

**Width:**

22 1/2" (57.2 cm)

**Electrical Requirements:**

220 V AC, 3 phase, 60 Hz (other voltages available)

**Length:**

9' 1/4" (274.8 cm)

**Shipping Weight:**

1390 lbs.

