

AF 0015

SEMI-AUTO SERVO LIQUID FILLING MACHINE

The AF 0015 is a Semi-Automatic Bench Top Servo and HMI Colour Touchscreen controlled Liquid Filling machine, designed to accurately fill liquid and creams into plastic or glass containers.

The AF 0015 offers small to medium scale filling operations with an unparalleled flexibility for filling a wide range of liquid and cream products.

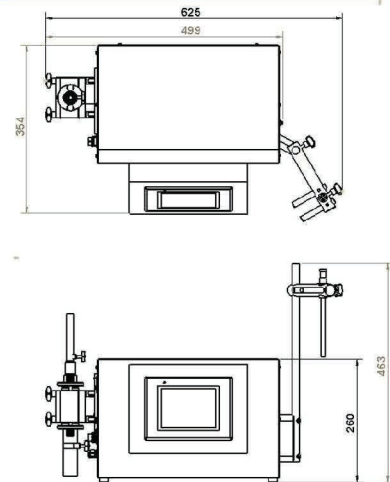
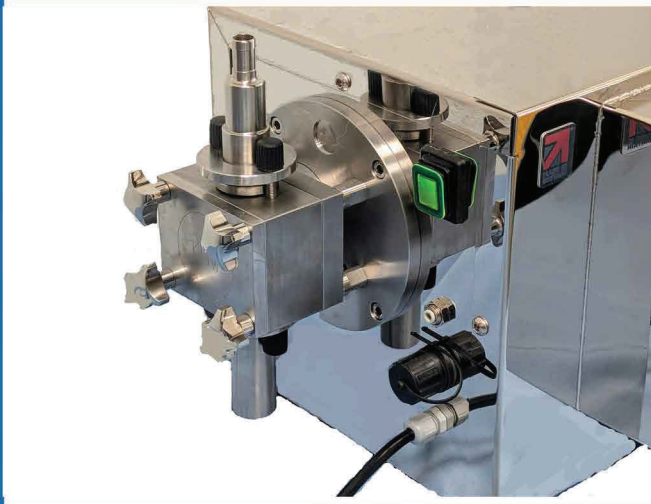
The compact design allows the AF 0015 to be operated either as a stand-alone bench top unit or integrated into a filling system. The filling technology is gear pump, whereby the machine control system accurately registers servo pulses, to control and accurately meter the amount of liquid product dispensed.



MACHINE FEATURES

- Servo controlled accurate product dosing and pump speed adjustment.
- HMI Colour Touch Screen including Recipe Management.
- 5ml to 5Litre Fill volumes.
- Accurate dispensing with excellent repeatability.
- Dose and Product Flow rate can be adjusted during operation.
- Single Dose and Multi Dose filling modes.
- Two speed pump control for shaped containers.
- Clean in Place (CIP) functionality.
- Complete Nozzle range to suit all Filling medias.
- Pre-configured for the use of Positive Shut-off Pneumatic Nozzles.
- Simple operation with fast product change-over.
- Tool free removable product contact parts.
- Options available for filling high viscosity products like creams.
- Quantity Filled displayed.
- Storage for up to 20 recipes.
- 1.5L, 6L, 10L and 20L pump options.
- Pre-configured Multi-pole or RF coax connection for foot switch or integration as a filling system including with third party equipment.
- Constructed in compliance with FDA approved materials
- Optional full IQ/OQ Validation Support Documentation

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- Liquid is transferred via the gear pump through the dispensing nozzle and into the container.
- Pre-determined dose is achieved and the pump stops and the filling cycle is complete.
- Various nozzle options also available include positive shut off types.
- The nozzle position is configured on the left as standard but can be configured on the right.
- Visual back seal fault recognition slot and chamber
- Small machine footprint

TECHNICAL SPECIFICATION

Filling Range:	5ml to 5 Litre
Filling Accuracy:	+/- 0.5%
Filling Speed:	Operator(s) Dependent
Filling Technology:	Volumetric (Gear)
Electrical Control System:	Omron
Electrical Components:	Omron
Pneumatic Components:	Festo
Electrical Requirements:	220/240V 50Hz 1Ph or 110/120V 60Hz
Technical & Manufacturing Standard:	cGMP, CE/UKCA Marked in accordance with Machinery Directive 2006/42/EC
Nett Weight:	23 Kg

OPERATION

The machine is operated using an HMI Colour Touchscreen, including Recipe Management. The liquid product dose, and flow rate can be adjusted in operation. Single Dose Fill and Multi Fill can be selected, along with Clean In Place and Continuous functionality.

When filling begins, liquid is moved under pump pressure, through a non-return valve to be dispensed from the filling nozzle.

Filling is to a pre-determined count value. When the correct value of pulses is reached the pump head control stops and the filling cycle is complete. The operator manually changes the containers over and initiates the next filling cycle using either an optional footswitch or pressing the dose button in single fill or via the pre-set time delay in multi fill mode.

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