



## IFL – INLINE FILL-TO-LEVEL

The Inline Fill-To-Level Models are moderate speed fillers, ruggedly designed, yet precision built for long, trouble-free liquid filling operation. Each model features a fill-to-level design with filling accuracy maintained to within +/- 1/16 of an inch of targeted fill level. The inline series includes three easy to operate models – manual, semi-automatic and fully automatic, with machine cycle speed up to 8 cycles per minute. Either gravity, pressure, vacuum, or combination filling systems can be utilized.

A diverse range of products, including cosmetics, chemicals, food and beverages can be filled on these versatile machines.

## CONFIGURATIONS

### IFLM - MANUAL FILLER

Suggested for use as either a lab model or as a small batch production line. The operator simply slides containers onto a stainless steel slide track to an adjustable stop point. The nozzles are now centered above the container openings. The operator lowers the spout bar, which brings the nozzles down into the containers and seals the openings. At this point, the filling cycle begins. When the operator sees product discharging from the overflow nozzle hose, the cycle is complete. The head is then raised and the container stop is manually released to discharge the containers.

### IFLS - SEMI-AUTOMATIC FILLER

Model IFLS functions in the same manner as the IFLM, but is intended for future growth to full production capabilities. This machine is designed to be easily upgraded to a Model IFLA by adding a powered conveyor and PLC for a fully automatic unit.

### IFLA - AUTOMATIC FILLER

Model IFLA incorporates an automatic conveyor and PLC to control the functions of the filling operation. Containers are conveyed into the filling area. When the correct amount of containers have entered the machine, the conveyor stops. The spout bar then descends, sealing the nozzles against the container openings. The containers are filled to the predetermined fill level, product overflow is then automatically returned to the reservoir. The filling cycle is completed based upon time factors programmed into the PLC. When the fill cycle is complete, the head is pneumatically raised, triggering the conveyor to restart, discharging the filled containers via the starwheel.

## FEATURES

- Configured with 2 to 12 Filling Nozzles
- 12 Gallon Stainless Steel Supply Tank
- Programmable Logic Controller (IFLA)
- Fully Automatic Operation (IFLA)
- Type 316 Stainless Steel Wetted Contact Parts
- Type 316 Stainless Steel Filling Nozzles
- Fully Wired 220 Volt, 3 Phase, 60 Cycles
- Accuracy to  $\pm$  1/16 of 1 inch
- Automatic Overflow (IFLA)
- Pneumatic Operation of Fill Head
- Left to Right Direction
- PVC Flexible Tubing

## OPTIONS

- Quick Change Nozzles
- 25 Gallon Stainless Steel Supply Tank
- Type 304/316 Stainless Steel Frame
- Stainless Steel Conveyor Chain
- PVC, Teflon, Hastelloy or Titanium
- Nozzles and Contact Parts
- NEMA 7 Explosion Proof Electricals
- Positive Displacement Pumps
- Special Tubing for Product Compatibility
- Pneumatic or Mechanical Centering
- Right to Left Direction
- Flush in Place System

## CONTAINER DIMENSIONS

- Up to 6" Wide - Standard Conveyor
- Up to 12" Wide - Special Conveyor
- Up to 12" Tall - All Machines
- Air Requirements: 80 psi 1-2 cfm

