

FILAMATIC®



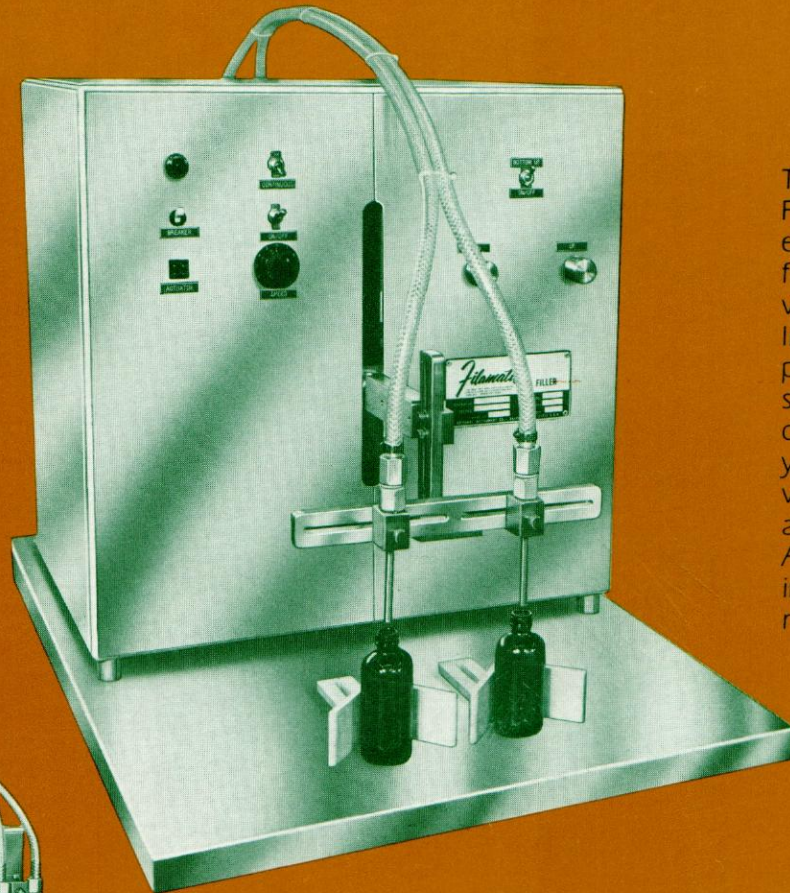
Packaging - Processing
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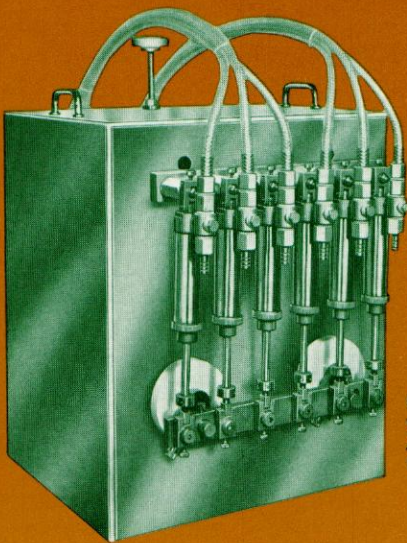
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● **Model AL-50** the expandable bench-top filler with automatic options.

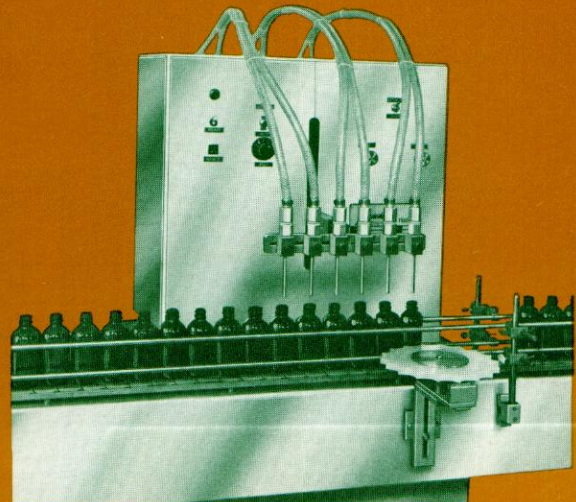
2, 3, 4, 6, 8 Nozzle Filler



The Filamatic Model AL-50 Filling Machine provides an efficient, low-cost means of filling any type of container with free-flowing or viscous liquids, with or without particulates. Operates as a semi-automatic filler on any convenient bench top. Use your own conveyor and a wide variety of automation accessories to convert the AL-50 into a completely integrated, automatic filling machine.



Rear View Model AL-50
with 6-station Drive Bar
Assembly
U.S. Pat. no 4077441



Model AL-50 equipped
with 6 nozzles installed
on conveyor with Star-
Track Container Indexer

National Instrument Company, Inc.

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Phone: (301) 764-0900

Cable Address: ESAR, Baltimore/TWX: 710-234-1049
TELEX: 908284

FORM-213

Features

- Low Cost
- Fills from 0.5cc to 520cc
- Expandable from 2 to 8 filling stations
- Production rates to 144 cpm (based on water)
- Optional "Final-Filter" adaptors allow you to install Pall, Gelman or Millipore filters to protect against particulate contaminants. Particulate retention to 0.2 microns.
- Use with your own conveyor or a Filamatic conveyor
- Electronic variable-speed drive
- Single Master Volume Adjustment
- Optional Dial-A-Fill "fine tune" adjustment
- Easy to set up and operate
- Provides years of trouble-free service
- Bottom-Up Fill Mechanism. Minimizes foaming and splashing
- Welded steel construction
- Epoxy finish standard. Stainless steel exterior panels or stainless steel frame and panels optional
- Compact size — cabinet measures only 15" x 29" x 24 3/16"

Optional Automation Accessories

- Stainless steel conveyor with electronically controlled variable speed drive.
- No-Bottle-No-Fill
- Nozzle Safety System prevents filler from discharging until nozzles are inserted into container
- Anti-Back-Up System stops filler if filled containers back up into filling area
- Star-Wheel, Gating, or Timing Screw Container Indexing Systems

Exclusive Expandable Design

The Filamatic Model AL-50 Filling Machine eliminates the problem of equipment obsolescence and the uncertainty of trying to anticipate future production requirements. Start with the basic 2-nozzle filler. As your needs increase, simply add a drive bar assembly kit and Filling Units to convert to 3, 4, 6 or 8 filling stations for production rates up to 144 containers per minute. Install on your own in-plant or Filamatic conveyor for automatic operation. Change over can easily be performed by your own maintenance personnel.

Bottom-Up Fill Mechanism

An adjustable, cam-operated built-in Bottom-up Fill System adapts the Filamatic for filling foaming liquids. The nozzles descend to the bottom of the container, then rise with the liquid level as filling proceeds. Nozzle travel is adjustable from 0 to 8". Available also with an optional 0 to 6" or 0 to 12" capacity air-operated bottom-up fill system.

The nozzle tips can be maintained slightly above or below the surface of the liquid as the liquid level rises in the container. Even the most difficult products can be filled without foaming, splashing or overflow.

Construction

The Model AL-50 is ruggedly constructed with an electrowelded rectangular tubular steel frame for extra rigidity. Unlike bolted construction, the frame cannot loosen under vibration or mechanical stress. Moving and rotating parts remain properly aligned for the life of the machine. Finished in white epoxy. Also available with stainless steel frame and panels.

The Model AL-50 is equipped with an SCR electronic variable speed drive that provides finger tip speed adjustment from 3 to 22 R.P.M.

Interchangeable Filling Units

A wide range of interchangeable volumetric Filling Units adapt the Filamatic Model AL-50 to for dispensing from 0.5cc to 520cc of any liquid or semi-liquid product that will flow through a tube. Fills water thin liquids, foaming shampoos, or viscous mascaras. Simply select the appropriate Filling Unit and nozzle, and you're away and running. Fill directly from a floor mounted drum, overhead supply or pressurized source. Perform changeover in minutes.

Threadless construction of QUIK-LOC® Filling Units simplifies cleanup for sterile filling of parenteral drugs and intravenous liquids. Optional Final-Filter Adaptors allow you to install Pall, Gelman or Millipore Final Filters between the Filling Unit and nozzle to protect against the accidental discharge of particulates. Particle retention to 0.2 microns. All metal parts wetted by the liquid are fabricated of type 316 stainless steel. Optional plastic and glass construction for use with metal sensitive liquids.

(Optional sanitary type Filling Units are certified by the Food and Drug Administration.)

Model	Maximum Number of Filling Units (Based on Water)						Estimated Fill Rates (Based on Water)						Filler Motor (H.P.)	Dimensions	Net Weight (Lbs.)	Speed Range (R.P.M.)
	3-15cc	15-30cc	60cc	130cc	260cc	520cc	3-15cc	15-30cc	60cc	130cc	260cc	520cc				
AL-50	8	8	6	4	3	2	144	144	90	62	25	16	1/4	15" x 29" x 29 3/16"	200	3-22

Free Testing Service

To determine the most suitable Filamatic Filler for your needs, we recommend that you indicate your production requirements and submit samples of your product and containers to our test laboratory. A minimum quantity equal to 20 times the volume of the container to be filled and 12 of each size container is requested for a test run. There is no charge for this service, and you are not obligated in any way whatsoever.

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