APOF Series

Automatic Pressure Overflow Filling Machines

APOF-6

Key Features:

- Heavy Duty sanitary stainless steel sealed tubular frame
- Sanitary stainless steel fill nozzles and food grade reinforced tubing
- Full diagnostic touch screen control package w/job memory
- Stainless steel food grade manifold with tri-clover connections
- 304 stainless steel food grade supply / buffer tank
- Pin indexing system with overall production counter
- Power height adjustment of fill heads
- 10’ stainless steel variable speed conveyor
- Centrifugal food grade pump
- Container back-up detection

Options:

- Star wheel or timing screw indexing
- Stainless steel self draining drip collection tray
- Sanitary stainless steel valve allowing for buffer tank product flow control
- Container neck orientator
- Nema 4 or hazardous location electrical controls
- High capacity food grade diaphragm pump with teflon body and saniflex seals (for pressurizing manifold)
- Gravity tank with float system (for gravity filling)
- Contact part Upgrade; 316 stainless steel, hasteloy, PVC, Teflon, or polypropylene
- Various nozzle upgades

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ACCUTEK
Packaging Equipment Companies, Inc.

APOF Series

Visual Appealing Fills Down the Line

Automatic Pressure Overflow Fillers (APOF) allow customers to produce visually appealing and consistent fill levels regardless of container shape or volume irregularities. Bottle molding and forming techniques can cause minor inconsistencies in the size or shape of a container. The **APOF** machines compensate for these minor changes and variations in the container volume allowing for a uniform fill level. These machines can accommodate all types of containers comprised of rigid plastic, metal, and glass from ounces to gallons.

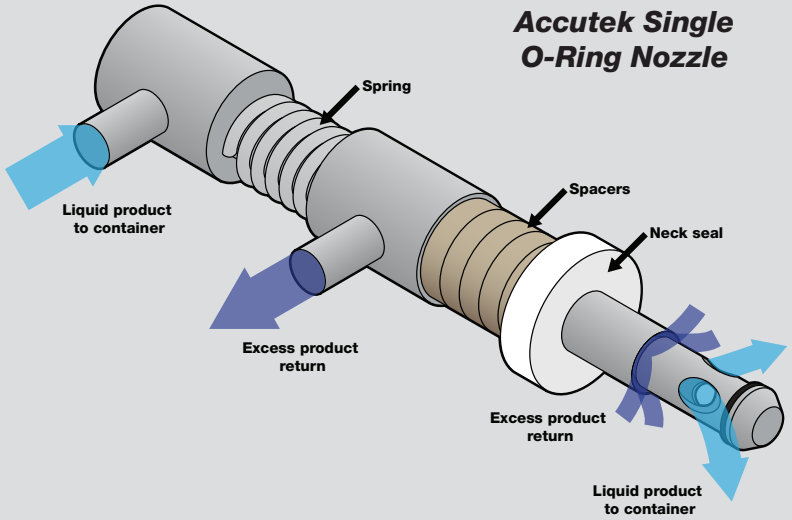
Overflow fillers like the **APOF** machines are also very adept for filling foaming liquids such as shampoos, soaps, sports drinks, mouth wash, or industrial cleaners. The same unique nozzle design that allows for uniform fill levels is also used to eliminate the foamy overflow.

The **APOF** units are very easy to setup and maintain. Each machine includes a sanitary stainless steel manifold with a quick clean connection. A touch screen control system records job settings for fast and simple changeovers, setup instructions, and offers a trouble shooting help menu.

Recommended products this machine can fill:

Water, fruit juices & extracts, liquid tea, liquid coffee, food coloring, vegetable oil, milk, tomato juice, some salad dressings, perfumes, essential oils, ink, thin liquid soap, shampoo's, light makeup remover, motor oil, urethane, silicone, urine, alcohol, and many more.

1 Fill speed is dependent on several things: model, operator, container dimensions, and product characteristics.
2 Optional parts of programming may be needed to match the specialty product specifications.



The Overflow Nozzle

Pictured above is the Accutek Single O-ring Overflow Nozzle. Overflow nozzles work by means of a spring loaded filling valve that is opened as it makes contact with the opening of the container. This is achieved by lowering the nozzle down on top of the container. When the contact pressure is sufficient, the spring opens the filling valve and liquid product is delivered to the container from the supply tank. Simultaneously, any air or foam from filling turbulences is forced up and out through the excess product return port. Excess liquid product will continue to fill the container and overflow through the return port until the diving head retracts and the spring closes the filling valve. Dripping is prevented because the valve shuts before it is completely removed from the container and positioned for the next fill. Accutek also makes a double O-ring nozzle, however this nozzles flow and return are reversed. If you would like to learn more about overflow filling principals click here to visit the Accutek web site.

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APOF-6

Automatic Six Head Pressure Overflow Filler

Unit Specifications

Dimensions:	120” x 56” x 78” (304.8 cm x 142.2 cm x 198.1 cm)
Weight:	~1100 lbs. (498.95 kg)
Electrical Requirements:	120 VAC, Single Phase, 60 Hz (220 or 240 VAC available)
Air Requirements:	80-100 PSI / 2 CFM

Output

Filling Speed:	Up to 60 CPM[1]
Viscosity Range:	2000 cps (Centipoise)

Speciality Products

Foamy Product:	YES[2]
Corrosive Product:	YES[2]
Heated Product:	YES[2]
Particulates:	NO

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APOF-8

Automatic Eight Head Pressure Overflow Filler

Unit Specifications

Dimensions:	120” x 56” x 78” (304.8 cm x 142.2 cm x 198.1 cm)
Weight:	~1100 lbs. (498.95 kg)
Electrical Requirements:	120 VAC, Single Phase, 60 Hz (220 or 240 VAC available)
Air Requirements:	80-100 PSI / 2 CFM

Output

Filling Speed:	Up to 80 CPM[1]
Viscosity Range:	2000 cps (Centipoise)

Speciality Products

Foamy Product:	YES[2]
Corrosive Product:	YES[2]
Heated Product:	YES[2]
Particulates:	NO

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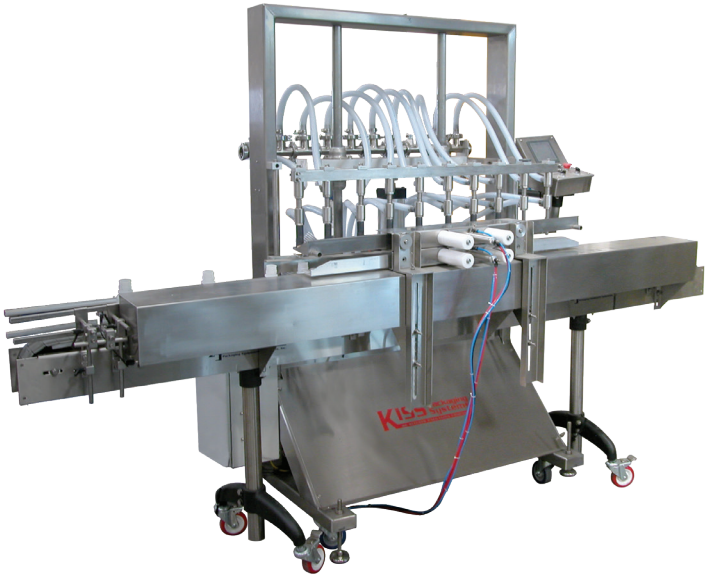
APOF-10

Automatic Ten Head Pressure Overflow Filler



Unit Specifications

Dimensions:	120” x 56” x 78” (304.8 cm x 142.2 cm x 198.1 cm)
Weight:	~1200 lbs. (544.3 kg)
Electrical Requirements:	120 VAC, Single Phase, 60 Hz (220 or 240 VAC available)
Air Requirements:	80-100 PSI / 2 CFM

Output

Filling Speed:	Up to 100 CPM[1]
Viscosity Range:	2000 cps (Centipoise)

Speciality Products

Foamy Product:	YES[2]
Corrosive Product:	YES[2]
Heated Product:	YES[2]
Particulates:	NO

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APOF-12

Automatic Twelve Head Pressure Overflow Filler

Unit Specifications

Dimensions:	120” x 56” x 78” (304.8 cm x 142.2 cm x 198.1 cm)
Weight:	~1200 lbs. (544.3 kg)
Electrical Requirements:	120 VAC, Single Phase, 60 Hz (220 or 240 VAC available)
Air Requirements:	80-100 PSI / 2 CFM

Output

Filling Speed:	Up to 120 CPM[1]
Viscosity Range:	2000 cps (Centipoise)

Speciality Products

Foamy Product:	YES[2]
Corrosive Product:	YES[2]
Heated Product:	YES[2]
Particulates:	NO

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