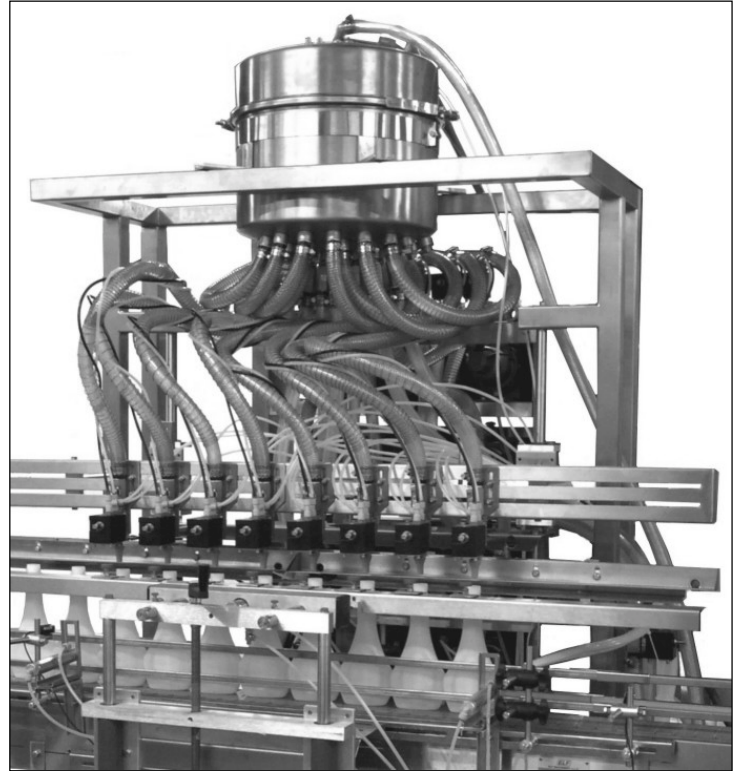


These Pump Filling machines provide an accurate and versatile method for filling low, medium and high viscosity liquids into a wide range of containers.

A number of models are available for different applications. E-PAK customizes each model and fits them with exactly the right contact parts for the customer's products, and with the right number of filling heads for their output requirements. E-PAK uses a wide range of pumps including progressive cavity pumps, gear pumps, lobe pumps, and rotor pumps. We work with each customer to choose the right pumps, valves and fittings for each range of products.



APPLICATIONS

- ❑ Liquid food products—dressings, sauces, soups
- ❑ Personal care—creams, hand soaps, shampoos, conditioners, lotions
- ❑ Pharmaceuticals—cough syrup, ointments
- ❑ Janitorial products—viscous cleaners
- ❑ Agricultural and industrial chemicals of low, medium and high viscosity
- ❑ Many other low, medium and high viscosity products

FEATURES & BENEFITS

- ❑ **Accurate**
The right volume of product is dispensed repeatedly. Volumetric filling by time is the most accurate method available for many products and applications
- ❑ **Easy Changeover**
Quick to changeover, simple to use and easy to clean, which minimizes downtime between production runs each day
- ❑ **Flexible**
Versatility and Simplicity are intrinsic to the design. Many container sizes and shapes, and many products can be run on one machine
- ❑ **Customized**
Construction materials, contact parts, number of fill heads and other options are all fitted to match each customer's products
- ❑ **Drip Protection with Foam Control**
Specially designed nozzles help prevent drips and control foam, increasing production output and minimizing waste, keeping containers clean

Equipment Information

Model Number	Construction ¹	Reservoir, Tubing ² , Fill Head Valves, & Pumps ³	Control System	Typical Applications
FB-1000	Economy construction standard	Stainless steel reservoir with braided PVC hose with threaded fittings Progressive cavity pumps are standard, many others types of pump are available	Simple multiple timer controls	Low, medium and high viscosity liquids
FB-2000	304 stainless steel heavy duty frame construction Optional tube frame and interlocked safety guarding	Stainless steel reservoir with braided PVC hose with threaded fittings Progressive cavity pumps are standard, many others types of pump are available	E-PAK's user friendly, electronic control system for easy setup and operation NEMA 4, NEMA 4X and hazardous location ratings available	Low, medium and high viscosity liquids
FB-3000	304 stainless steel heavy duty frame construction Optional tube frame and interlocked safety guarding Optional 316 stainless steel "sanitary" seamless weld	316 stainless steel reservoir with sanitary flange fittings Air actuated 316 stainless steel break down valves, with sanitary flanged fittings Sanitary progressive cavity pumps are standard, many others types of pump are available	E-PAK's user friendly, electronic control system for easy setup and operation NEMA 4, NEMA 4X and hazardous location ratings available	Low, medium and high viscosity sauces and other liquid foods

¹ Many other frames and frame options are available

² Many other combinations of reservoirs, tubing and contact parts are available

³ Many other sizes and types of valves and pumps are available

Specifications

Parameter	Value / Description	Comment
Dispensing Time Accuracy	.01 Seconds	
Nominal Dispensing Accuracy	± .5 %	Dependent on product consistency and other factors
Voltage AC	95-130 V, 50/60 Hz, 1Φ and 190-260 V, 50/60 Hz, 3Φ 190-260 V, 50/60 Hz, 1Φ and 370-510 V, 50/60 Hz, 3Φ	1000, 1000, 3000 Series (Other requirements are available) 1200, 2200, 3200 Series (Other requirements are available)
Power Consumption	3 Amps 1Φ & 15 Amps 3Φ 1.5 Amps 1Φ & 8 Amps 3Φ	1000, 1000, 3000 Series (Varies with number of fill heads—six heads as stated) 1200, 2200, 3200 Series
Operating Temperature	32 to 122 Degrees F (0 to 50 Degrees C)	10% to 95% RH (non condensing)
Compressed Air Requirements	< 1 cfm at 80 psi (< 14 l/min at 5.6 bar)	Less than 1 cfm nominally required
Electrical Enclosure	Carlson enclosure	Power disconnect in door
Weight	800 pounds (360kg)	Weight varies considerably with options
Exterior Dimensions	50"W x 42"D x 108"H (1.3M x 1.1M x 2.8M)	Size varies considerably with options

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