



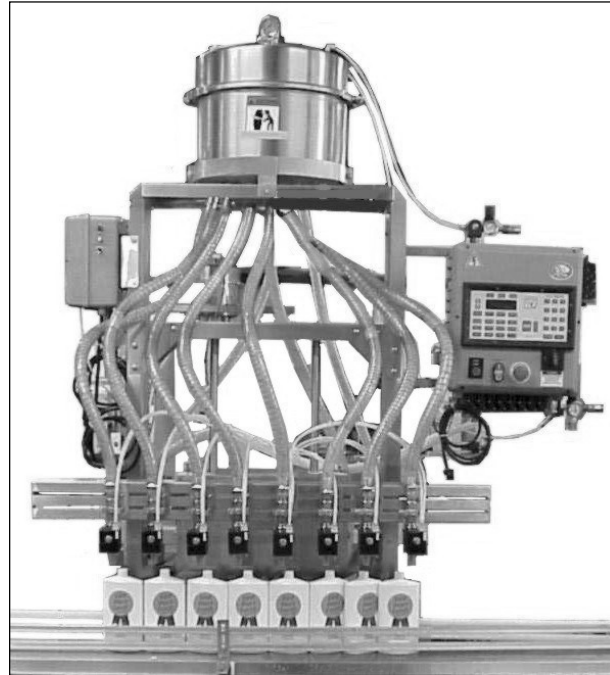
**Equipment Information**

# Volumetric Pressure/Gravity Filler

FE-1000 Economy  
FE-2000 Standard Duty  
FE-3000 Heavy Duty  
FE-4000 Sanitary

E-PAK Pressure/Gravity Filling machines provide a versatile method for filling water-thin to medium, constant viscosity liquids into a wide range of containers. They can be operated in gravity mode that is especially suited to highly foaming products, or in pressure mode that can fill thicker products.

A number of models are available for different applications. E-PAK customizes each model with the right combination of contact parts for each customer's products, and with the right number of filling heads for each customer's production requirements.



## APPLICATIONS

- ❑ Beverages—water, juice, drink mixes, non-carbonated beverages, alcoholic drinks and spirits
- ❑ Liquid food products—up to medium, constant viscosity dressings, sauces, soups
- ❑ Personal care—mouthwash, hairspray, shampoo, even gels
- ❑ Pharmaceuticals—cough syrup, ointments, rubbing alcohol
- ❑ Janitorial products—degreasers and highly foaming cleaners
- ❑ Agricultural and industrial chemicals

## FEATURES & BENEFITS

- ❑ **Simplicity**  
No moving parts and no recirculation of product maximizes the working life of your machine, minimizes maintenance costs and downtime, and enhances the quality of the product being packaged
- ❑ **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
- ❑ **Accurate**  
The right volume of product is dispensed repeatedly. Volumetric filling by time is the most accurate method available for many products and applications
- ❑ **Pressure Assisted Filling**  
Product flow is assisted using a marginally increased reservoir pressure, allowing it to fill constant, medium viscosity, and many high shear 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 <sup>1</sup>	Reservoir & Tubing and Fill Head Valves <sup>2 3</sup>	Control System	Typical Applications
FE-1000	Economy construction standard	Stainless steel reservoir with braided PVC hose with threaded fittings	Simple timer controls	Thin and medium constant viscosity liquids
FE-2000	304 stainless steel heavy duty frame construction  Optional tube frame and interlocked safety guarding	304 stainless steel reservoir with braided PVC hose  Air actuated stainless steel ball valves with threaded fittings	E-PAK's user friendly electronic control system for easy setup and operation	Thin and medium constant viscosity liquids
FE-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	E-PAK's user friendly electronic control system for easy setup and operation	Beverages Thin and medium constant viscosity sauces and other liquid foods
FE-4000	Heavy duty HDPE frame construction	HDPE reservoir with corrosive resistant plastic tubing with threaded fittings  Air actuated Teflon or Kynar ball valves	E-PAK's user friendly electronic control system for easy setup and operation with options to protect the electrical system from corrosive products including NEMA 4X electrical standard	Acids Thin and medium constant viscosity corrosives

<sup>1</sup> Many other frames and frame options are available

<sup>2</sup> Many other combinations of reservoirs, tubing and contact parts are available

<sup>3</sup> Many other sizes and types of valves 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 190-260 V, 50/60 Hz, 1Φ	1000, 1000, 3000, 4000 Series 1200, 2200, 3200, 4200 Series
Power Consumption	3.0 Amps 1.5 Amps	1000, 1000, 3000, 4000 Series 1200, 2200, 3200, 4200 Series
Operating Temperature	32 to 122 Degrees F (0 to 50 Degrees C)	10% to 95% RH (non condensing)
Compressed Air Requirements	< 5 cfm at 80 psi (< 70 l/min at 5.6 bar)	Less than 5 cfm nominally required, varies considerably for different applications
Electrical Enclosure	Carlson enclosure	Power disconnect in door
Weight	500 pounds (225kg)	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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