

A1/25 PEX Electronic "A" Top Filling Machine

Range of Products:

The A1 models are available for gravimetric filling of non-foaming liquid and semi-liquid products which do not contain hard solid particles. The product contact parts are available in Brass and Steel (standard), 316 Stainless Steel, 304 Sanitary Stainless Steel, PVC, Teflon Composite and Titanium to meet a wide range of product requirements.

Range of Containers:

Models are available for filling any free standing metal, glass, plastic or bag in the box containers from pint to 6 US gallons(500 ml. to 25 ltr).

Filling Speed:

Speed is governed by the viscosity of the product, product line pressure and size of the container opening. Approximate speeds, based on the gravity filling of water from a 10ft. gravity head tank into open top containers are as follows:



Containers / Hour				
Container	500 ml / 1 liter pint / quart	4 liter / 1 Gallon	8 liter / 2 Gallons	20 liter / 5 Gallons
Model:				
A1/10 PEX	600	350	240	
A1/25 PEX		350	240	120
A2/10 PEX	1200	700	480	
A2/25 PEX		700	480	240

Weighing System/Accuracy:

The A1 and A2 electronic model fillers use a high quality industrial load cell bases and controllers. Scale accuracy is 1 part in 10,000. Fill accuracy is to within 0.1% target weight when the machine is properly installed and operated. The scale indicator is conveniently located on the machine for visibility and easy keyboard entry of set point information. Outputs are selectable in kilograms or pounds.

Installation:

The A1 and A2 electronic fillers may be quickly installed by your plant personnel. The scale controller may be simply plugged in to a non-surge 110 vac. receptacle using the cord provided or hard wired by a qualified electrician. The filter, regulator and lubricator connects to a 3/8" compressed air liner and connect flexible product supply line to the 1 1/2" npt feed pipe

Supply of Product:

The model A1 and A2 electronic fillers may be supplied from any non-surfing source with a constant supply of product. Pressure range from gravity to 40 p.s.i.g. 92.8 kg./sq.cm)

Maintenance:

The machines are designed for long service. The scale controllers are in NEMA 4X liquid tight enclosure so wash down is not a problem. Pneumatic systems are of high quality components that run for thousands of cycles. The sturdy steel or 304 Stainless Steel frames are welded for long service.

Safety:

The machines are equipped with a quick shut-off button for the operator to interrupt the fill. The system is equipped with a spring loaded Fail Safe to shut-off product if air pressure is lost.

Personnel Required:

One operator, no special skills necessary.

Change of Container:

To change the container, simply enter the new cut-off weight on the scale controller and adjust the height of the filling head. If the container opening is a different size, the filling nozzle may be quickly changed.

Operation:

A1/10 PEX and A2/10 PEX The operator simply enters the net weight shy of the target allowing, product in motion to be weighed, then the operator places the container on the fill platform under the fill nozzle and presses the start button. At this cycle the scale automatically tares the weight of the container. The nozzle descends approx. 1/2" into the opening of the container. When the container reaches the shut-off weight the nozzle closes without drip, and rises. The operator pushes the container off the platform (roller conveyor optional A1) and places another container for filling.

A11/25 PEX and A2/25 PEX The operator simply enters set-point 1 (dribble flow) weight and set-point 2 (target weight) shy of the target allowing product in motion to be weighed then the operator places the container on the fill platform under the fill nozzle and presses the start button. At this cycle the scale automatically tares the weight of the container. The nozzle descends approx. 1/2" into the opening of the container. When the container reaches the set-point 1 weight the product flow decreases to increase accuracy. When the container reaches set-point 2 shut-off weight the nozzle closes without drip, and rises. The operator pushes the container off the platform (roller conveyor optional A1) and places another container for filling.

Approximate Air Requirements:

1.5 cu.ft./min. @ 80 p.s.i. or 12 s.c.f.m. @ 80 p.s.i. (40 ltr/min @ 5.6 kg/sq.cm).

Electric Requirements:

110/120 volts, 50/60 hz., single phase, grounded, clean. We suggest using a surge protector. The scale controller classification is NEMA 4 X, liquid tight.

OPTIONAL FEATURES

Discharge Conveyor:

3ft. gravity discharge conveyor for the A1/ (shown on cover) suggested for sustained use to ease discharge of filled containers.

Contact Parts:

316 Stainless Steel wetted parts with glass/Teflon gaskets and Titanium wetted parts with glass/Teflon gaskets are available for the chemical industries, PVC with tygon gaskets for high corrosives and UHMD is also available. 304 Sanitary Stainless Steel for the food industrial when required.

Frame Work:

304 Stainless Steel

Coatings:

Two part (Tile Clad tm.) Epoxy Spray coated steel or Steellt tm. Stainless Steel spray coated steel

Fume Cover:

A PVC or UHMW fume cover is provided with a 3/4" X 10' long flex hose for connection to your plant vacuum system. This removes fumes from around the container while filling, directly at the opening. Not applicable for open top five gallon pails.

Operator Splash Guard:

To protect the operator from direct spray in the event of an accidental overflow. We suggest that all operators should wear proper eye protection at all times while operating any filling machine.

Printers:

Several printers are available for labels, cards and tape. Various printers offer features including net, gross and tare values as well as batch time and accumulation information.

SPECIAL ADAPTIONS ARE ALWAYS AVAILABLE FOR SPECIFIC USER REQUIREMENTS

Approximate operating space:

A1/10 PEX, A1/25 PEX:

without conveyor: 21" X 36" (53 X 92cm.)

with conveyor: 21" X 50" (53 X 127 cm.)

A2/10 PEX, A2/25 PEX: 42" X 55" (107 X 140cm.)

Our pail filler and drum filling machinery provides accurate, low maintenance, no-drip filling of liquid to viscous products into cans, pails, drums and totes. Crandall offers a full range of liquid fillers, and closing machinery for pails and cans.

