

RPD Series

Rotary Positive Displacement Filling Systems



Key Features:

- Suitable for filling a wide range of liquids from light oils to heavy viscous semi-solids at speeds up to 450+ CPM*
- No bottle, no fill sensors for each filling station
- Color touch screen controls with job memory, tooling memory, and management lockout
- Variable speed “Top Drive” system keeps key components away from wetted areas for easy access and lasting performance
- Can accommodate glass, plastic, and metal containers
- Synchronized “pump to turret” design for smooth filling of light or thick products at a high rate of production
- Includes stainless steel frame and sanitary stainless steel gear pumps
- Incorporated safety interlocks & polycarbonate guarding
- Self aligning toolless change parts for quick trouble-free changeover

Options:

- Fully automatic clean in place system
- 10 gallon per minute pump upgrade
- Flexible impeller pump upgrade (for particulates)

B **BINER ELLISON**
High Speed Packaging Machinery
an ACCUTEK COMPANY

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ACCUTEK
Packaging Equipment Companies, Inc.

RPD Series

Rotary Positive Displacement Filling Systems

Biner Ellison Rotary Positive Displacement (RPD) Fillers are high speed rotary systems specifically built to accommodate the widest range of liquids possible on one machine. These systems can fill products ranging from alcohol to caulking compounds and even fill some products with particulates. The BE RPD machines feature an individual pump per head design which provides astonishing accuracy and flow capabilities. This pump per head setup allows each filling station to fill independent of each other as well as the entire system giving the perfect fill each time.

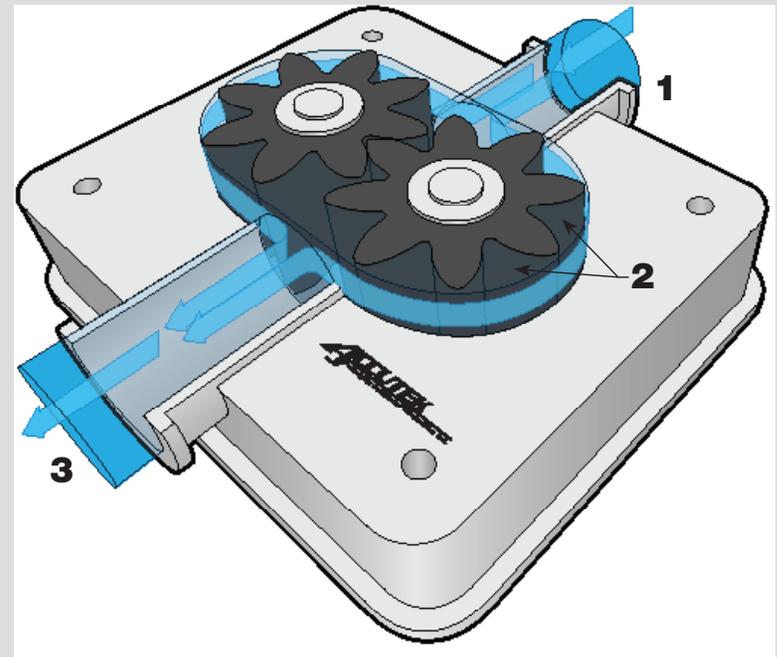
Like all BE Rotary equipment the RPD Fillers are built on heavy duty stainless steel frames with all sanitary stainless steel contact parts. Each RPD Filler is programmed with an upsurge fill cycle for reducing splash and insuring precise fill for viscous products. Every machine is also fully adjustable allowing it to adapt to wide range of container sizes, volumes, and types making it the number one choice for almost any application. The versatile Biner Ellison Rotary Positive Displacement Filling machines are one of the best long-term investments any company can make.



Example products the RPD Series can fill:

Water, juices, vitamin drinks, syrups, dressings, milk, honey, cheese, mayonnaise, jellies, perfumes, hair conditioner, liquid soap, shampoo, creams and lotion, hand and body wash, hair styling gels, mascara, eye liner, makeup remover, detergents, oils, liquid cleaners, paint, degreasers, engine coolant, varnish, candles, sealants, grease, glue, silicone, cough medicine, iodine, saline solutions, insect repellent, and much more

Positive Displacement Gear Pump



Gear pumps are the standard type of pump used in positived displacement filling for Biner Ellison RPD Machines. They are designed to handle abrasive free, viscous liquids. These pumps house two or more revolving gears that mesh together to pick up fluid from the intake and force it out under pressure through the discharge. They generate high flow at moderate pressure. Gear pumps are just one of many pump styles available.

1. Liquid product is pushed in through the intake from the manifold.
2. Product is collected by the revolving gears and moved toward the discharge.
3. The liquid is pushed out though the discharge to the filling head.

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RPD40 Filler

Rotary Positive Displacement Filler (40" Turret)



Unit Specifications

Dimensions:	L 54" x W 61" x H 89" (137 cm x 155 cm x 226 cm)
Weight:	~2200 lbs. (1000 kg)
Electrical Requirements:	220/240 VAC, 20 AMP, 3 Phase
Air Requirements:	87 PSI @ 2CFM

Output

Filling Speed:	Up to 240 CPM ¹
Viscosity Range:	1-18,000 cp

Specialty Products

Foamy Product:	Not Recommended
Corrosive Product:	YES ²
Heated Product:	YES ²
Particulates Product:	YES ²

¹ Fill speed is dependant on model, operator, container, and product characteristics. Additional options to accommodate specific applications or speed requirements extra.
² Optional parts of programming may be needed to match the specialty product specifications.

RPD52 Filler

Rotary Positive Displacement Filler (52" Turret)



Unit Specifications

Dimensions:	L 69" x W 75" x H 89" (137 cm x 155 cm x 226 cm)
Weight:	~3100 lbs. (1400 kg)
Electrical Requirements:	220/240 VAC, 20 AMP, 3 Phase
Air Requirements:	87 PSI @ 2CFM

Output

Filling Speed:	Up to 320 CPM ¹
Viscosity Range:	1-18,000 cp

Specialty Products

Foamy Product:	Not Recommended
Corrosive Product:	YES ²
Heated Product:	YES ²
Particulates Product:	YES ²

RPD64 Filler

Rotary Positive Displacement Filler (64" Turret)



Unit Specifications

Dimensions:	L 86" x W 92" x H 89" (137 cm x 155 cm x 226 cm)
Weight:	~5200 lbs. (2360 kg)
Electrical Requirements:	220/240 VAC, 20 AMP, 3 Phase
Air Requirements:	87 PSI @ 2CFM

Output

Filling Speed:	Up to 450+ CPM ¹
Viscosity Range:	1-18,000 cp

Specialty Products

Foamy Product:	Not Recommended
Corrosive Product:	YES ²
Heated Product:	YES ²
Particulates Product:	YES ²

¹ Fill speed is dependant on model, operator, container, and product characteristics. Additional options to accommodate specific applications or speed requirements extra.
² Optional parts of programming may be needed to match the specialty product specifications.

RC Series Cappers

Rotary Chuck Capping System



The **Biner Ellison RC Series Cappers** are versatile rotary capping systems design to complement high speed rotary bottling equipment. These flexible rotary cappers continuously sort, apply, and torque caps to a variety of different container sizes and shapes.

Contact a Biner Ellison Representative for full details on our other turn key capping and bottling systems. 1-800-733-8162