

PROBLOC™ LABEL-FILL-CAP TRIBLOC SYSTEM



High-efficiency, integrated Label-Fill-Cap tribloc system for light to semi-viscous liquid personal care products at speeds up to 400cpm

ProBloc™ is a high-performance integrated tribloc system for light to semi-viscous liquid personal care products. Each ProBloc system performs three key packaging functions:

- Labeling
- Filling
- Capping

As an integrated system ProBloc provides higher operating efficiencies and lower scrap rates than separate pieces of equipment performing the same functions. ProBloc systems are configured with labeling, filling and capping capabilities tailored to each customer's requirements.

ProBloc features pressure sensitive labeling, flow meter, weight, volumetric or level filling and pick & place capping. Labeling stations apply pressure sensitive labels, both front & back and wrap-around. Available capping technologies include screw-on, roll-on, push-in and snap-on. All supplied technologies are designed, manufactured and supported by best-in-class ProMach brands including P.E. labelers, Pacific & Federal fillers, and Zalkin capping systems.

FEATURES AND BENEFITS

- **Labeling empty** – Labeling empty containers with an inspection / no fill / rejection system dramatically reduces filled container scrap costs and yield loss.
- **Space efficient** – Bloc design reduces overall equipment footprint and saves valuable floor space.
- **Smooth, optimized container handling** – Bloc starwheel to starwheel container flow optimizes control through the labeling, filling and capping process.
- **Tool-less container changeovers** – Color coded, no tool change parts make container changeovers simple to execute.
- **4-axis adjustment of pressure sensitive labeling heads** – Assures precise label application.
- **Internal barrier enclosures** – Stainless steel and polycarbonate panels shield and protect the labeling station from the filling station during production and CIP.
- **One call support** – ProBloc is supported by a dedicated team of highly trained ProMach technicians. Technical support for labeling, filling and capping systems is one phone call away.
- **ZPI line performance monitoring & analysis system** – Provides in-depth support for Continuous Improvement, Overall Equipment Effectiveness (OEE), day-to-day production management, and real time line monitoring and alerts to accelerate downtime troubleshooting.

Speed	Up to 400 cpm
Labeling Stations Filling Stations Capping Stations	12, 20 28, 36 10, 12
Label Types	Pressure Sensitive – Front, back, full wrap
Label Dimensions	Min Label Length = 1.1" (30mm) Max Label Length = 5.1" (130 mm) Min Label Height = 0.7" (20 mm) Max Label Height = 7.6" (195 mm)
Container Sizes	Min diameter = 1.9" (50 mm) Max diameter = 4.7" (120 mm) Min height = 4.7" (120mm) Max height = 13.9" (355 mm)
Container Types	PET & HDPE bottles

Cap Sizes	Max Height = 2.9" (75mm) Max Diameter = 4.7" (120 mm)
Cap Types	Plastic screw-on, push-in, snap-on, insert + close
PLC	Allen-Bradley
HMI	18.5" (47 cm)
Servos	Allen-Bradley Allen-Bradley Standard Siemens, Beckoff and B & R Available Options
Electrical Enclosure	NEMA 4X (IP-66)
Machine Frame	Stainless Steel
Power	480 VAC / 3 Phase / 60 Hertz
Upper Guarding	OSHA, CE and Ontario Health & Safety Category 3

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- **Push-button filler CIP system** - Includes HMI PLC programming, servo actuated washdown catch trays, stainless steel piping and 3-way sanitary valves for product drain and cleaning solution recirculation.
- **Automatic push-button filler turret external CIP system** - Includes HMI PLC programming, high pressure main station with four cleaning inputs (water, air, foam, disinfectant) and nozzle bars for cleaning the filling turret, the capping turret and container handling parts
- **Filler clean-in-place (CIP) skids** - Cleaner and sanitizer preparation, heating, pumping and control valves to supply solutions for automated filler CIP.
- **Zalkin servo capping heads** - Wide torque range, precise closure orientation and ability to measure and monitor capping head torque performance for every applied closure.
- **Zalkin Insert + Close capping heads** - Accomodate pump and trigger spray dispensing systems.