

Used Automatic filling triblock + cap elevator

Machine type:	Filling Monoblock
Ref:	M348
Speed:	1600 Bottles/hour
Condition:	In Storage
Formats:	1.5 L, 200 ml, 250 ml, 350 ml, 750 ml, 1 L
Containers:	Glass
Products:	Spirits, Wine (Sparkling), Wine (Still)

Technical details

Rotation:	Clockwise	Has rinser:	Yes
Has blowing machine:	No	Has capper:	Yes
Filler - No. of valves:	10	Aseptic:	No
Neck type:	GPI 28/400	Isobaric:	No
Filler - Fill type:	Gravity/light depression	Safety features:	Yes
Manuals:	No	Width:	1500 mm
Length:	4000 mm	Height:	2100 mm
Weight:	3500 kg	Power:	7 kW
Voltage:	380 V	Frequency:	50 Hz

Description

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Technical Specifications & Performance Data

This Automatic Triblock Rinser-Filler-Capper with Cap Elevator is a compact 3-in-1 monoblock engineered for high-quality glass bottle packaging in industrial environments. Designed around gravity filling, it preserves alcohol content and aromatic profiles for premium spirits and still wines. The triblock integrates a rotary rinser with 9 grippers, a 10-valve gravity filler, and a single-head AROL capping turret, delivering reliable performance within a small footprint—ideal for industrial packaging, beverage production, and integration into a used bottling line or second hand bottling equipment upgrade.

- **Production speed:** up to 1,600 bph (at 0.75L)

- **Container type:** glass bottles
- **Bottle formats:** currently set up for 0.25L; speed reference at 0.75L, 100ML (Mignon), 187ML (Single-serve size), 1,5L (Low-profile).
- **Bottle diameter range:** 55–110 mm
- **Bottle height range:** 160–320 mm
- **Closure currently:** GPI 28/400 (wooden/plastic screw style)
- **Monoblock configuration:** 9-gripper single-treatment rinser; 10-valve gravity filler; 1-head AROL capping turret
- **Rotation direction:** clockwise (left to right)
- **Electrical supply:** 380 V, 50 Hz, 3Ph + N + T; auxiliary 24 V DC; IP55
- **Installed power:** 7.0 kW
- **Pneumatics:** 6 bar operating pressure; 200 NI/min; 1/4" fittings
- **Rinser water pressure:** max 3 bar
- **Product connection:** DN25 Triclamp
- **Filling valve OD:** 14 mm; minimum bottle mouth: 18.5 mm
- **Conveyor:** acetalic (POM) chain, pitch 38.1 mm, width 82.5 mm; support 100x100 mm closed section
- **Working height:** 1,000 mm ± 50 mm
- **Machine dimensions (L x W x H):** approx. 4000 x 1500 x 2100 mm
- **Machine weight:** approx. 3500 kg
- **Material construction:** AISI 304 stainless steel
- Equipped with **pivoting timing screws**, which allow precise centering on the conveyor even for small-diameter bottles (e.g. 100 ml / miniature)
- **Filler:**
Height adjustment via an adjustable central column (raising and lowering by means of an internal screw).
Filling valves can be adapted or replaced according to the required height range.
- **Rinser:**
Standard height handling up to approximately 150–180 mm.
Capability to process shorter formats using grippers with inverted/reversed jaws.

Advanced Automation & Control Systems

The monoblock features a stainless steel electrical cabinet assembled to EN60439-1, CEI17-13/1, and EN60204-1 standards with fully sealed connectors and flame-retardant cabling. Machine speed is finely adjustable via a front-panel potentiometer. The rinser motor is inverter-controlled (400 V) for smooth operation. Level probes govern an electropneumatic product inlet valve with adjustable opening/closing to prevent hydraulic shock. A PLC-ready ON/OFF interface is available for a customer-supplied membrane pump. Grouped external grease points simplify preventive maintenance.

Operator safety is ensured by full-height CE-compliant stainless steel guards with LEXAN inspection doors, each interlocked with hinge-mounted safety microswitches. The lower machine area is accessible via removable safety covers for rapid service.

Production Line Integration Capabilities

Supplied with feed screw, starwheels, and conveyors for one bottle format, the triblock integrates seamlessly into glass bottling lines for spirits and still wines across industrial packaging and beverage production environments. The included cap elevator and AROL single-head turret ensure consistent closure application. Quick height adjustments of turrets support a wide format range, enabling fast changeovers.

- Standalone or inline operation within a used bottling line or second hand packaging machinery setup
- Closure flexibility with optional kits: GPI screw, traditional T-cork (Ø 18.5 mm), and aluminum screw caps
- Compatible diameter 55–110 mm and height 160–320 mm glass bottles

Machine Condition & Maintenance History

Engineered for long-term reliability with a fully AISI 304 frame, grouped lubrication points, and easy-access service areas. The product bowl is polished AISI 304, steam or chemically sterilizable, with tool-free removable cover and sight glass for level monitoring. The rinser includes a removable drip tray and inclined drain tank for hygienic maintenance. Safety devices protect filler valves at outfeed, reducing risk of damage from out-of-spec bottles.

Operational Performance & Versatility

Optimized for spirits and still wine, the gravity filler maintains alcohol content and aromatic integrity. Mechanical jacks gently lift bottles to the valves, with cam-guided descent for consistent fills. The rinser employs a no-bottle/no-spray system to prevent waste. The AROL turret (EAGLE VP-PP-VA – IES) includes a stainless steel execution, bowl feeder with missing-cap detection, anti-rotation bottle device, and Pick & Place transfer for precise cap handling. With accessory kits, the machine handles GPI screw, T-cork, and aluminum screw closures, expanding product versatility.

An overflow photocell at the exit is included to assist with downstream flow control, supporting stable operation on high-quality bottling equipment and packaging machinery installations.

Installation Requirements & Site Preparation

Allow space for the 4000 x 1500 x 2100 mm footprint plus service access. Provide 380 V, 50 Hz, 3Ph + N + T electrical supply (7.0 kW installed) and 24 V DC auxiliaries. Compressed air at 6 bar with approximately 200 NI/min consumption is required. Rinse water supply should be regulated up to 3 bar. Product inlet via DN25 Triclamp. The base features adjustable AISI 304 feet with high-resistance plastic underpads for stable installation.

Safety Standards & Compliance Certification

The triblock meets stringent industrial safety expectations with full CE-style guarding, interlocked LEXAN access doors, IP55-rated electrical components, and assemblies built to EN60439-1, CEI17-13/1, and EN60204-1. Bottle handling stars include immediate stop devices for overturned or jammed containers. Food-contact materials such as EPDM for bottle pads and AISI 304/316 stainless components uphold hygiene standards suitable for beverage production.