

Used DC GF 3-in-1 filling line, sparkling water 6000 BPH, Year 2013

Machine type:	Complete Bottling Line
Ref:	LC685
Year:	2013
Speed:	6000 Bottles/hour
Condition:	In Production
Formats:	1.5 L, 330 ml, 500 ml
Containers:	PET
Products:	Water (Sparkling), Water (Still)

Technical details

Fill type:	Volumetric	Neck type:	PCO
Safety features:	Yes	Manuals:	Yes
Width:	6000 mm	Length:	11000 mm
Power:	15 kW	Voltage:	400 V
Frequency:	50 Hz		

Description

Used DC GF 3-in-1 filling line, sparkling water 6000 BPH, Year 2013

Technical Specifications & Performance Data

This used bottling line is configured for PET bottle production and beverage filling, combining a linear blow molding machine, high-pressure compressed-air equipment, an integrated rinsing, filling and capping monoblock, labeling, coding, saturation and shrink-wrapping equipment. The line is designed for industrial packaging of carbonated, oxygenated and non-carbonated beverages.

- **Blow molding capacity:** 1,000–2,000 bph
- **Filling monoblock capacity:** 4,000–6,000 bph at 0.33L
- **Supported bottle formats:** 0.33L, 0.5L and 1.5L
- **Container material:** PET bottles with PCO neck finish
- **Complete line footprint:** approximately 11 m × 6 m

- **Blow molder configuration:** linear, 2 cavities, 20–50 g preforms
- **Filling monoblock:** 18 rinsing stations, 18 filling valves and 6 capping heads

Advanced Automation & Control Systems

The line includes Mitsubishi PLC control for the filling and handling process. The filling monoblock uses an electronic filling system and operates with clockwise bottle movement. Safety functions are fitted on the blow molding machine, compressor and filling monoblock, while safety covers are included for the complete line.

- Electrical supply for the blow molder and compressor: 400 V, 15 kW, 50 Hz
- Electrical supply for the filling monoblock: 400 V, 3.5 kW, 50 Hz
- Electronic non-isobaric filling system
- PCO 32 and PCO 28 cap compatibility
- Integrated HS-Datu dating unit for production coding

Production Line Integration Capabilities

This complete PET bottling line follows a practical process flow from bottle forming through filling, labeling and secondary packaging. The linear blower is supplied with a preform feeder, preform tipper, 30 bar three-stage compressor, cooling dryer and air filter. Downstream equipment includes a self-adhesive labeling machine, vacuum saturator, conveyor system and automatic shrink film wrapper.

Machine type	Manufacturer / model	Year
Blow Molding Machine	ECENG MACHINERY Co. Ltd.	2010
Compressor	China	2010
Filling Monoblock	DC GF 3-in-1	2013
Saturator	Vacuum saturator	
Labeling Machine	Self-adhesive labeler	
Shrink Wrapper	Automatic shrink film wrapper	
Various Equipment	Conveyor system	
Printer	HS-Datu dating unit	

The automatic shrink wrapper provides a stated output range of 1,000–3,000 bph. The vacuum saturator is rated at 1,000 L/h and supports beverage preparation for carbonated product applications.

Machine Condition & Maintenance History

The filling triblock is reported in production and has recorded operating time of 300 hours. The blow molding machine and high-pressure compressor are operational. The blower itself was tested and confirmed working; the complete line was never installed in its original small workshop configuration. Manuals are available for the filling monoblock, while maintenance documentation is not included for the listed equipment.

Operational Performance & Versatility

The line is suitable for PET beverage production using 0.33L, 0.5L and 1.5L formats. Its PCO bottle handling configuration supports PCO Normal preforms, with Shorti preforms also accepted by the blower. The filling monoblock integrates rinsing, electronic filling and PCO capping in a compact production unit. The line is configured for sparkling water and supports carbonated, oxygenated and non-carbonated filling applications.

Installation Requirements & Site Preparation

Installation requires an area corresponding to the stated approximate 11 m × 6 m line footprint, with sufficient access around the equipment for operation, service and container handling. The blower measures 4 m × 2 m × 2.5 m, while the filling monoblock measures 2.6 m × 2.4 m × 2.1 m. A 400 V, 50 Hz electrical supply is required. The PET blowing section is supported by the included 30 bar compressed-air system, cooling dryer and air filtration equipment.

Safety Standards & Compliance Certification

Safety functions are listed for the principal production machines, and the complete line includes safety covers. These protections support controlled operation around moving bottle-handling, filling, capping and packaging sections. During installation and commissioning, guards, emergency stops, electrical protection and interlocked access points should be verified as part of the site safety assessment.