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Used GEA Aseptic filling line 48000 BPH - year 2020 (data of use)

Machine type:	Complete Bottling Line
Ref:	LC667
Model:	FMa-COMBI CAPDIS-24k
Year:	2018
Speed:	48000 Bottles/hour
Condition:	Ready for Operation
Formats:	230 ml
Containers:	PET
Products:	Dairy

Technical details

Fill type:	Aseptic	Safety features:	Yes
Manuals:	Yes	Power:	220 kW

Description

Used GEA Aseptic filling line 48000 BPH - year 2020 (data of use)

Technical Specifications & Performance Data

This used bottling line is a 2020 PET aseptic production line configured for 230 ml PET bottled water at a rated output of 48,000 bph. It combines PET bottle blowing, aseptic processing, filling, capping, labeling, inspection and secondary packaging for high-output beverage production.

* Production capacity: 48,000 bph

* Available bottle format: 230 ml PET only

* Main line year: 2018, 2020 (data of use)

* Blowing equipment: SIPA SFR24 EVO, 48,000 bph

* Filling equipment: GEA FILLSTAR FX AS 84 PET filler, 48,000 bph

* Compressor: AF L5S, 35 bar, 220 kW

Advanced Automation & Control Systems

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The line includes electrical control cabinets with HMI displays, ventilated electrical enclosures and high-voltage warning protection. Process equipment includes a Tetra Pak FLEX1 PET UHT sterilizer rated at 17 t/h, a Tetra Pak 15,000 L/h homogenizer rated at 90 kW, a 15,000 L/h yogurt secondary pasteurizer, pulsed-light sterilizers, laser marking machines and visual inspection systems.

Product preparation assets include four 25 m^3/h centrifugal pumps rated at 7.5 kW, two 30 m^3/h centrifugal pumps rated at 18.5 kW, one 12,000 L/h rotary pump rated at 7.5 kW and one 20,000 L/h rotary pump rated at 18.5 kW. The installation also includes a triple 100 mm high-pressure filter, model ECS7003SCA5H19-A61.

Production Line Integration Capabilities

The PET production line integrates bottle blowing, drying, aseptic filling and capping, cap handling, labeling, coding, inspection, carton packing, sealing and conveying. A GEA conveyor chain system provides bottle transport at 20 to 60 m/min. Five bottle dryer sets with conveyors are included, together with two GEA dryers rated at 700/840 m^3/h.

Machine type | Manufacturer / model | Year

Machine type	Manufacturer / model	Year
Blow Molding Machine	SIPA SFR24 EVO	2020 (data of use)
Filling Machine	GEA FILLSTAR FX AS 84 PET	2020 (data of use)
Labeling Machine	Guangzhou Lixin AP-400H	2020 (data of use)
Labeling Machine	Guangzhou Santuo SL-695	2020 (data of use)
Wrap Around Packer	WP450	2020 (data of use)
Various Equipment	GEA conveyor chain system	2020 (data of use)

Secondary packaging includes two Hangzhou Zhongya DGXL50/10E gift-box packers for 2 × 10 bottles of 230 ml at 30,000 bph, two WP450 cardboard box wrapping machines for a 3 × 5 format at 28,800 bph, and two ZYFX-22 automatic carton sealing machines rated at 2,000 boxes/h.

Machine Condition & Maintenance History

The line is intact and has not been disassembled. Its documented principal equipment was built or used in 2020, supporting evaluation as a complete second hand industrial packaging installation with installed process, conveying and production-line equipment.

Operational Performance & Versatility

Designed for aseptic PET water production, this beverage production line includes sterile-water and aseptic process areas, filling valves, a filling carousel, cap supply equipment and bottle conveying systems. Processing assets comprise twelve 21,000 L fermentation tanks rated at 7.5 kW and 35 rpm, six 30,000 L fermentation awaiting-bottling tanks rated at 7.5 kW and 47 rpm, one 8,000 L buffer tank, one 30 L microbial inoculation tank, one 50 t aseptic yogurt container, one 12 t fruit granule aseptic can, two 3,000 L fruit granule cans rated at 3 kW and 32 rpm, and one 3,000 L/h fruit particle sterilizer.

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The line also includes a Tetra Pak vacuum sugar loading system rated at 6 t/h with an RBS45 Roots blower, a 3 t hoist, one CWL-L weighing rejection mechanism, two Ningbo Zhongwu pulsed-light sterilizers in ZWM-5S-EE3BT and ZWM-5S-EE1BT versions, four Guangdong Mingyu F-6000 laser marking machines rated at 28,000 labels/h, two Suzhou Haoke MARTIXL-3450 visual inspection machines rated at 28,000 bph, two Shangbaotai NYG18H-00 outer-cover fastening machines rated at 27,000 bph, one Suzhou Haoke SMART-C1150 full-bottle tester rated at 48,000 bph, and one Mettler Toledo X3710 X-ray inspection machine.

Installation Requirements & Site Preparation

Installation requires coordinated utility connections for the aseptic processing skid, UHT sterilization, homogenization, pasteurization, compressed air, process pumps, tank farm, bottle blowing, filling, drying, conveying and packaging sections. The high-pressure compressor is specified at 35 bar and 220 kW. The line includes one preform flipping hopper, model TS21A, bottle conveyors, cap sorting and cap elevator equipment, process piping, valves and stainless-steel machinery enclosures.

Environmental exhaust handling is provided through a KYES-37V blow-molding exhaust-gas treatment unit rated at 37,400 m^3/h and a KYES-93L filling-machine exhaust-gas treatment unit rated at 9,306 m^3/h. Additional listed exhaust-gas treatment units include KYES-13V for the blowing machine and KYES-35L for the filling machine.

Safety Standards & Compliance Certification

The industrial packaging line includes guarded stainless-steel process equipment, protected aseptic enclosures, safety-marked electrical cabinets and in-line quality-control equipment. The Mettler Toledo X3710 X-ray inspection machine, full-bottle tester, visual inspection machines and weighing rejection mechanism support product and package inspection within the production flow. Safety guards, conveyor side guides, enclosed labeling equipment and controlled cap-handling systems contribute to operator protection and stable PET bottling operation.