



Requirements and Solutions

The Innofill Glass DRS is a computer-controlled, glass bottle filler that uses a probe integrated into the filling valve to determine fill levels. It is designed to fill beer, mixed beer beverages, and soft drinks in glass bottles. The Innofill Glass DRS achieves filling capacities of up to 80,000 bottles per hour while adhering to exact fill volumes. All sequences of the Innofill Glass DRS are automated and all processes are documented and reproducible at all times. This filler can be monoblocked with a bottle rinser.

Key Features

- The filler and the capper and the transfer stars are modular in design and are synchronized and driven by cutting-edge servo technology
- Use of energy-saving direct drives for star shafts and cappers
- The glass bottles are fed to the filler standing on their bases and brought up to pitch by a servo-controlled feed screw
- Lifting elements lift the bottles, which are then sealed by centering bells against the filling valves. The centering bells are incorporated in the CIP process
- Filling valves are equipped with an aseptic sealing system
- Multiple evacuation and purging with CO₂ ensure low oxygen pickup in the product
- Probes integrated into the filling tubes determine fill levels
- Low-foam filling even at filling temperatures of about 20°C
- Processing of both standard and twist crown corks

Standard Equipment

- Simple machine design compliant with hygiene regulations
- Motor-driven height adjustment enables processing of various bottle heights
- Externally bolted filling valves
- Fill level probe equipped with two switching points
- Manually inserted CIP caps ensure loss-free sanitizing
- Modular design; star shafts accommodate the transfer stars
- Crown corker bottle height compensation range of plus/minus 2 mm
- Quickly changeable format parts
- Free-standing, wrap-around cladding with electrically secured folding doors provide excellent access to the machine



2_INNOFILL GLASS DRS

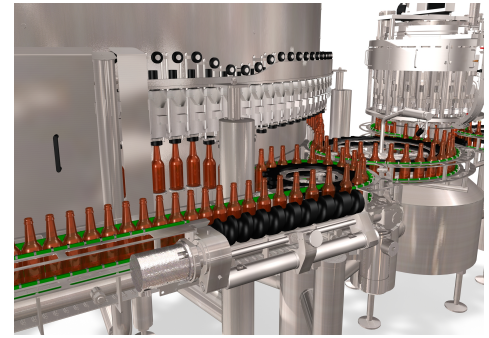
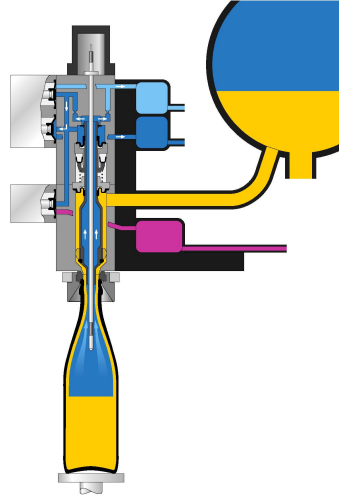
COMPUTER-CONTROLLED GLASS BOTTLING MACHINE WITH SHORT-TUBE FILLING SYSTEM

FILLING



Advantages

- The Innofill Glass DRS is characterized by its great ease of operation and high machine availability
- Fill levels are changed at the operator terminal
- Multiple evacuation and purging with CO₂ ensure minimum oxygen pickup in the product coupled with low CO₂ consumption
- Closed CIP circuit for effective sanitizing
- Reduced CIP / SIP times
- Hygienic machine design, easy to service/repair, low cost of maintenance



Service

- Worldwide service
- Customized machine design
- Complete line design
- Turnkey systems
- Fast supply of spare parts

Options

- Automatically adjustable fill level probe
- Automatic CIP caps
- ECO module vacuum pump
- Hot water flushing and foam cleaning for various machine areas
- Implementation of a second capper for processing ring-pull caps

Technical Data

Bottle volumes

0.2 liters – 1.5 liters

Filling temperatures

4 – 20 °C

Bottle heights

120 – 360 mm

Bottle diameters

40 – 100 mm

Fill level accuracy

s = 1.5 – 2.0 mm

Filler pitch circle / Filler capacity (bph)*

2,520 / 10,000 to 28,000

2,880 / 11,000 to 32,000

3,240 / 13,000 to 38,000

3,600 / 15,000 to 40,000

4,320 / 19,000 to 54,000

5,040 / 22,000 to 65,000

5,760 / 25,000 to 75,000

6,480 / 28,000 to 80,000

Capper/corker pitch circle / Capper/corker capacity (bph)*

360 / 12,000 to 30,000

540 / 18,000 to 50,000

720 / 24,000 to 65,000

900 / 30,000 to 75,000

*: The capacity depends on the pitch and the type of bottle and product to be filled.

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