1_INNOFILL GLASS DNRT

COMPUTER-CONTROLLED, SHORT-TUBE, TRINOX-METHOD
GLASS BOTTLE FILLING SYSTEM

FILLING

Requirements and Solutions

The computer-controlled Innofill Glass DNRT glass bottle filler uses the Trinox tube in conjunction with the Trinox method to determine fill levels. It is designed to fill wine and sparkling wine in glass bottles. The Innofill Glass DNRT achieves filling capacities of up to 60,000 bottles per hour while adhering to exact fill volumes (s = 1 mm). All sequences of the Innofill Glass DNRT 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
- The glass bottles are fed to the filler standing on their bases and brought up to pitch by a servo-controlled feed screw
- The centering bells which are incorporated into the CIP process seal the bottles lifted by the lifting elements against the filling valves
- Filling valves are equipped with an aseptic sealing system
- The computer-controlled filling system determines fill levels using the adjustable insertion depth of the Trinox tube into the bottle in conjunction with the Trinox method
- The filling process can be switched from pressure filling to pressureless filling
- Facilities for processing natural corks as well as aluminum and plastic screw caps

Standard Equipment

- Simple machine design compliant with hygiene regulations
- Motor-driven height adjustment enables processing of various bottle heights
- Filling valves are bolted from the outside
- Manually inserted CIP caps ensure loss-free sanitizing
- Modular design; star shafts accommodate the transfer stars
- Quickly changeable format parts
- The free-standing, wrap-around cladding with electrically secured, folding doors provides excellent access to the machine

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2_INNOFILL GLASS DNRT
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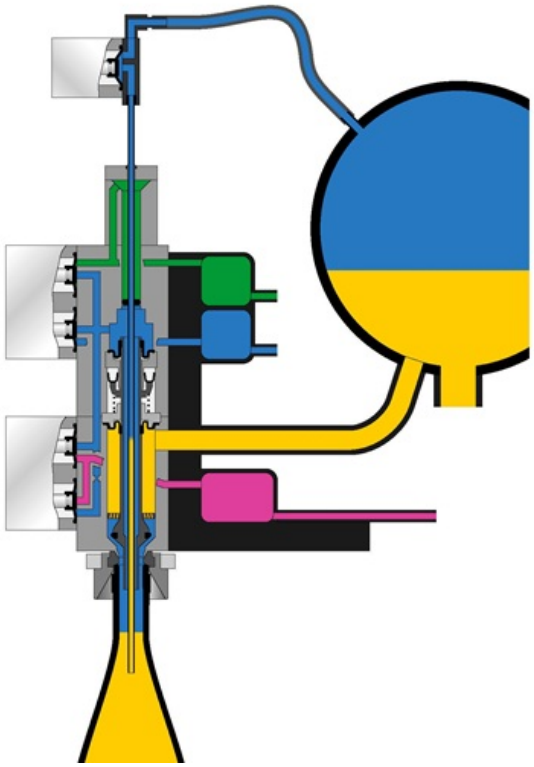
Advantages

- The great ease of operation and high machine availability are hallmarks of the Innofill Glass DNRT
- Exact fill levels are determined using Trinox tubes and the Trinox method
- Changeover to a different fill level occurs through automatic Trinox tube height adjustment
- Closed CIP circuit for effective sanitizing
- Reduced CIP / SIP times
- Hygienic machine design
- Easy maintenance
- Low maintenance costs



Service
· Worldwide service
· Customized machine layout
· Full system planning
· Turnkey system construction
· Fast supply of spare parts
Options
· Automatic CIP caps
· ECO module vacuum pump
· Hot water flushoff and foam cleaning for various machine areas
· Up to three cappers can be used to process various types of closure

Technical Data
Bottle volumes
0.2 – 1.5 liters
Filling temperatures
4 – 16°C
Bottle heights
120 – 360 mm
Bottle diameters
40 – 120 mm
Fill level accuracy
s = 1.0 mm
Filler pitch circle / filler capacities (bph*)
1,440 / 6,000 to 12,000
1,800 / 8.000 to 15,000
2,520 / 10,000 to 20,000
2,880 / 11,000 to 25,000
3,240 / 13,000 to 30,000
3,600 / 15,000 to 35,000
3,960 / 17,000 to 40,000
4,320 / 19,000 to 45,000
5,040 / 22,000 to 50,000
5,760 / 25,000 to 60,000

* The capacity depends on the pi pitch, the bottle type, and the product to be filled.

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