1_INNOFILL GLASS MICRO DPG

PNEUMATICALLY CONTROLLED, GLASS BOTTLE FILLER WITH SHORT-TUBE FILLING SYSTEM FOR THE LOW AND MEDIUM CAPACITY RANGES

FILLING

Requirements and Solutions

The pneumatically controlled Innofill Glass Micro DPG determines fill levels using return gas tubes. 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 20,000 bottles per hour. Exact fill levels are maintained over the entire speed range. All sequences of the Innofill Glass DPG 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, capper, and the transfer stars are set up at or on a sloped front table and are synchronized and driven by state-of-the-art servo technology
- The glass bottles are fed to the filler standing on their bases and brought up to pitch by a 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
- Multiple evacuation and purging with CO2 enable low oxygen pickup coupled with low CO2 consumption
- Pneumatically controlled filling system; return gas tubes are used to determine fill levels
- Low-foam filling at up to 16°C filling temperature (beer)
- Processing of standard crown corks and twist-off crown caps

Standard Equipment

- Simple machine design compliant with hygiene regulations
- Motor-driven height adjustment enables processing of various bottle heights
- Filling valves mounted in the filler bowl
- Return gas tubes for determining fill levels
- Manually inserted CIP caps ensure loss-free sanitizing
- Crown corker with ±2-mm bottle height compensationexcellent access to the machine
- Quickly changeable format parts
- The free-standing, wrap-around cladding with electrically secured, folding doors provides excellent access to the machine

2_INNOFILL GLASS MICRO DPG

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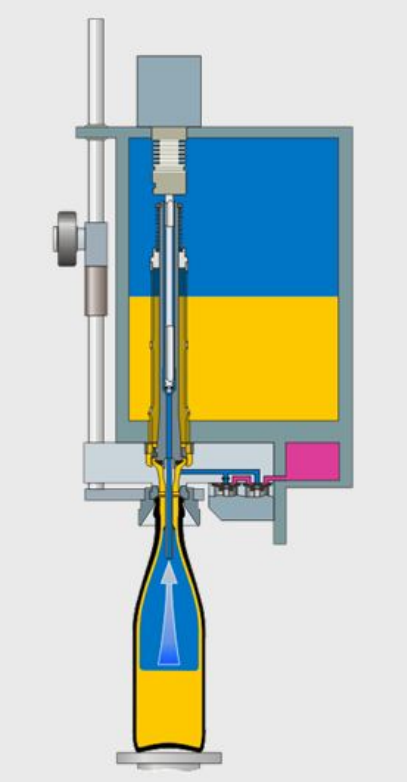
Advantages

- The great ease of operation and high machine availability are hallmarks of the Innofill Glass Micro DPG
- Fill levels are adjusted by changing the return gas tubes
- Multiple evacuation and purging with CO2 enable low oxygen pickup coupled with low CO2 consumption
- 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
· ECO module vacuum pump
· Roll-on aluminium capper / plastic screw capper
· Hot water flushoff and foam cleaning for various machine areas

Technical Data
Bottle volumes
0.2 – 1.5 liters
Filling temperatures
4 – 16°C (Beer)
4 – 20°C (CSD)
Bottle heights
120 – 360 mm
Bottle diameters
40 – 125 mm
Fill level accuracy
s = 1.5 – 2.0 mm
Filler pitch circle / filler capacities (bph*)
1,080 / 6,000 to 10,000
1,440 / 8,000 to 20,000
Capper pitch circle / capper capacities (bph*)
180 / 6,000 to 10,000
360 / 10,000 to 30,000

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

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