

## 1\_INNOFILL GLASS DPG

### PNEUMATICALLY CONTROLLED GLASS BOTTLE FILLER WITH A SHORT-TUBE FILLING SYSTEM AND RETURN GAS TUBE

FILLING



#### Requirements and Solutions

The pneumatically controlled Innofill Glass DPG bottle filler determines fill levels using a return gas tube. It is designed to fill beer, mixed beer beverages and soft drinks into glass bottles. The Innofill Glass DPG achieves filling capacities of up to 75,000 bottles per hour with exact adherence to fill levels. All processing sequences on the Innofill Glass DPG are automated and all processes are documented and reproducible at all times. The filler can be monoblocked with a bottle rinser.

#### Key features

- The filler, capper and transfer stars are modularly constructed and 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
- The filling valves are equipped with an aseptic sealing system
- Multiple evacuation and purging with CO<sub>2</sub> ensure low oxygen pickup coupled with low CO<sub>2</sub> consumption
- Pneumatically controlled filling system; a return gas tube is used to determine fill levels
- Low-foam filling at filling temperatures of up to 16°C (beer) and up to 20°C (CSDs)
- 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 tube for determining fill levels
- Manually inserted CIP caps ensure loss-free sanitizing
- Modular design; Star shafts for mounting transfer stars
- Crown corks with  $\pm 2$ -mm bottle height compensation
- Quickly changeable format parts
- The free-standing, wrap-around cladding with electrically secured, folding doors provides excellent access to the machine



2\_INNOFILL GLASS DPG

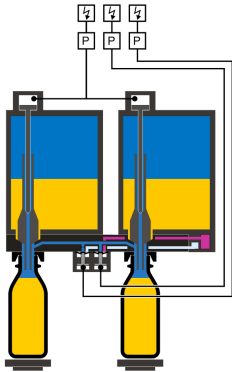
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Benefits

- Great ease of operation and high machine availability are hallmarks of the Innofill Glass DPG
- Fill levels are adjusted by changing the return gas tube
- Multiple evacuation and purging with CO2 ensure low oxygen pickup coupled with low CO2 consumption
- Closed CIP circuit for effective sanitizing
- Hygienic machine design
- Easy maintenance
- Low maintenance costs



Service
<ul style="list-style-type: none"><li>• Worldwide service</li><li>• Customized machine layout</li><li>• Complete line design</li><li>• Manufacture of turnkey systems</li><li>• Fast supply of spare parts</li></ul>
Options
<ul style="list-style-type: none"><li>• ECO module vacuum pump</li><li>• Ring pull capper</li><li>• Aluminum roll-on capper or plastic screw capper</li><li>• Hot water flushoff and foam cleaning for various machine areas</li></ul>

Technical data
Bottle volume:
0,2 - 1,5 liters
Filling temperature:
4 - 16°C
Bottle height:
120 - 360 mm
Bottle diameter:
40 - 125 mm
Fill level accuracy:
s = 1,5 - 2,0 mm

Filler pitch circle/filler capacities (bph*)
2.160 / 9.000 to 24.000
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 75.000
Capper pitch circle/capacities (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 pi pitch, bottle type and product to be filled.

