



Requirements and solutions

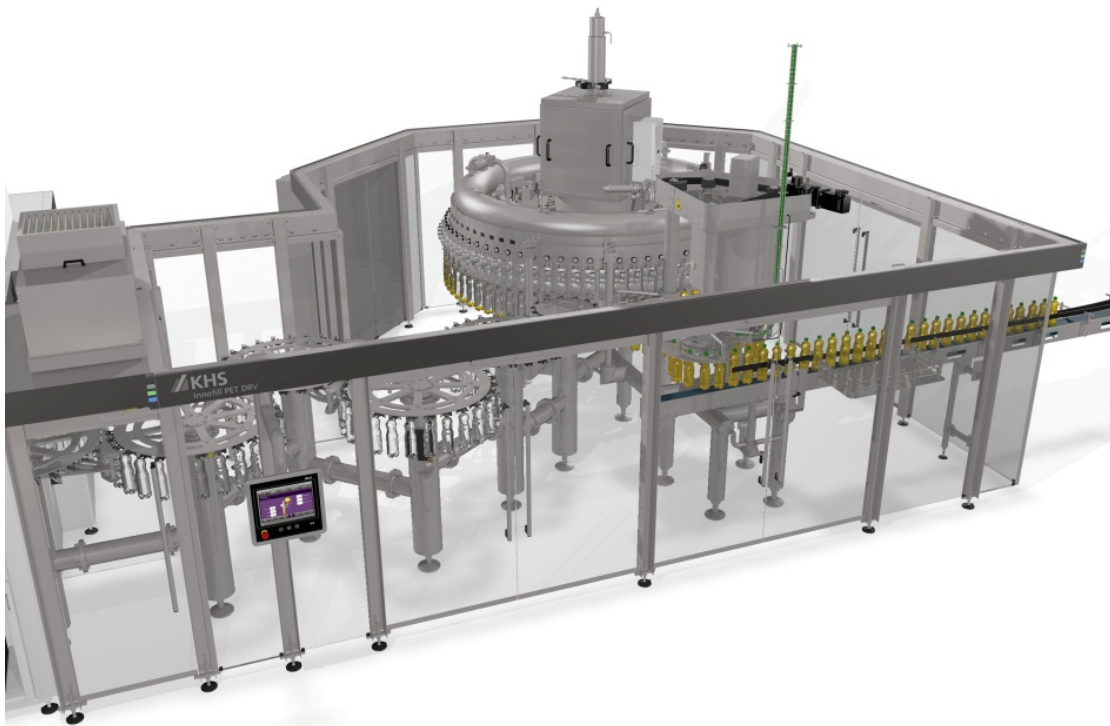
The Innofill PET DRV is a computer-controlled pressure filling system for the bottling of carbonated and non-carbonated beverages in PET. This filler operates according to the volumetric filling principle. Short product paths ensure high product safety. The high degree of flexibility provided by the different filling valves allows for the optimum filling of both highly carbonated soft drinks and still beverages into PET bottles. The Innofill PET DRV achieves filling capacities of up to 81,000 bottles per hour. All sequences on the DRV are automated and all processes are documented and reproducible at all times. The Innofill PET DRV is usually monoblocked with a stretch blow molder but can also be supplied as a solo filler or monoblocked with a bottle rinser.

Key features

- The filler, capper and transfer stars are controlled by up-to-the-minute servotechnology
- A neck handling system conveys the PET bottles through the machine
- Lifting motion and mouth pressing motion integrated in the filling valve
- Volumetric filling method
- Computer-controlled filling system
- The filling process can be optimized for each type of beverage and each bottle volume
- The filling parameters are determined once and then stored by product type
- Capable of processing 28-mm flat and sports bottle caps

Standard equipment

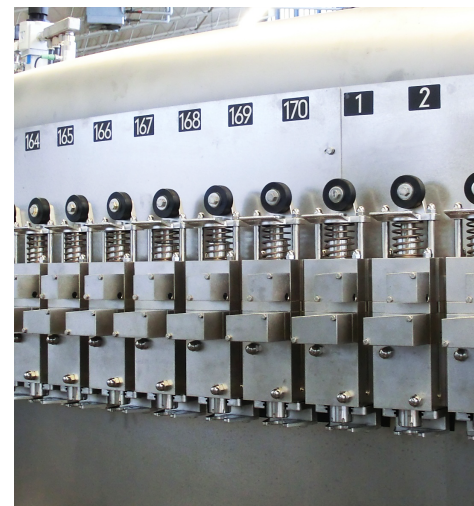
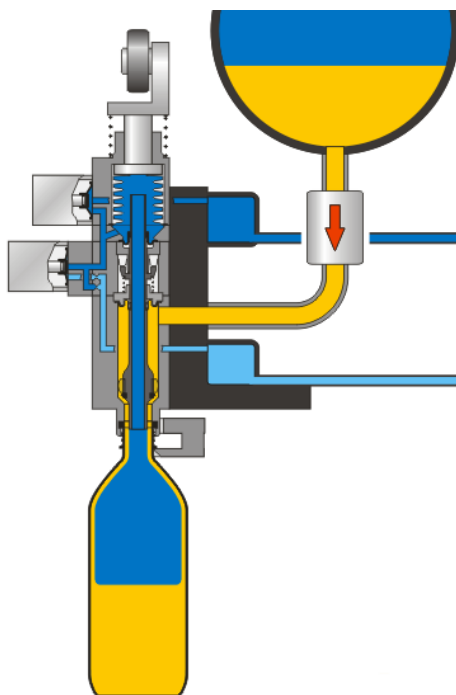
- Simple machine design compliant with hygiene regulations
- The bottles are fed to the filler by a transfer star combination
- Tubular ring vessel, distributor ring and filling valve design enable short cleaning times
- Magnetic inductive flow metering to determine filling volumes
- Filling valve with just two pneumatic cylinders to control the filling process
- Manually inserted CIP caps for loss-free sanitizing
- Standard plastic screw capper
- Free-standing cladding for easy access





Benefits

- The Innofill PET DRV is characterized by its high level of flexibility and viability for the future
- An electromagnetic, inductive flow meter (EIF) is used to measure filling volumes, thus ensuring high filling accuracies
- Low CO₂ consumption through the use of ECO filling valves
- The plastic gripper elements used to convey the bottles ensure maximum line availability
- Minimum changeover times when switching over bottles with the same mouth
- High level of product safety and short cleaning times
- Low complexity for low maintenance costs



Service

- Worldwide service
- Customized design
- Full system planning
- Turnkey systems
- Fast supply of spare parts

Options

- Servo capper
- ECO filling valves for carbonated and non-carbonated beverages
- Hot water flushoff and foam cleaning for various machine areas
- Automatic CIP cap infeed
- Sanitary room

Technical data

Bottle volumes: 0.2 l to 3.0 l - Filling temperature: 4 to 20°C (cold) / up to 85°C (hot)

Bottle heights: 130 to 360 mm - Bottle diameters: 40 to 125 mm

Pitch circle / capacities (bph)* Filler

2.160 / 9.000 to 25.000
2.880 / 13.000 to 35.000
3.600 / 16.000 to 45.000
4.320 / 20.000 to 55.000
5.040 / 24.000 to 65.000
5.760 / 28.000 to 70.000
6.120 / 30.000 to 75.000
6.480 / 32.000 to 81.000

Pitch circle / capacities (bph)* Capper

480 / 12.000 to 27.000
540 / 14.000 to 34.000
720 / 16.000 to 45.000
880 / 18.000 to 49.000
900 / 20.000 to 67.000
1080 / 22.000 to 81.000

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

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