



Requirements and Solutions

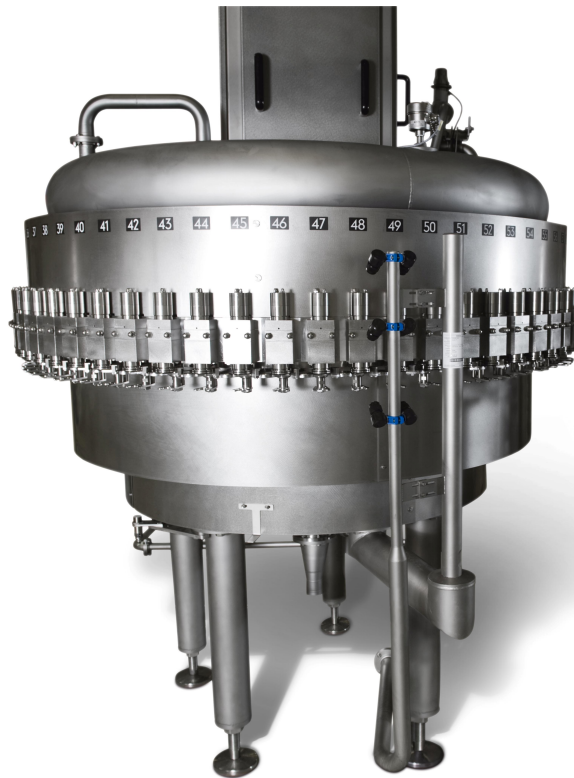
The Innofill PET NV is a computer-controlled normal pressure filling system for filling non-carbonated beverages into PET bottles. This filler operates according to the volumetric filling principle. This is a non-contact, free-flow filling system. With the Innofill PET NV, PET bottles can be filled with non-carbonated water, health and fitness drinks, as well as juices. In addition to beverages, it is also possible to fill bottles with liquid foods such as edible oil or ketchup.

Key Features

- Filler and capper are controlled by the most modern of servo technology
- The bottles are conveyed through the machine by neck handling
- Computer-controlled filling system
- Volumetric filling principle; free-flow filling
- Cold and hot filling are possible
- Constant circulation of the beverage for constant filling temperature (hotfill)
- The filling volume can be changed by entering new data
- Processing of different bottle mouth diameter possible
- The filling parameters are determined once and then stored by type.

Standard Equipment

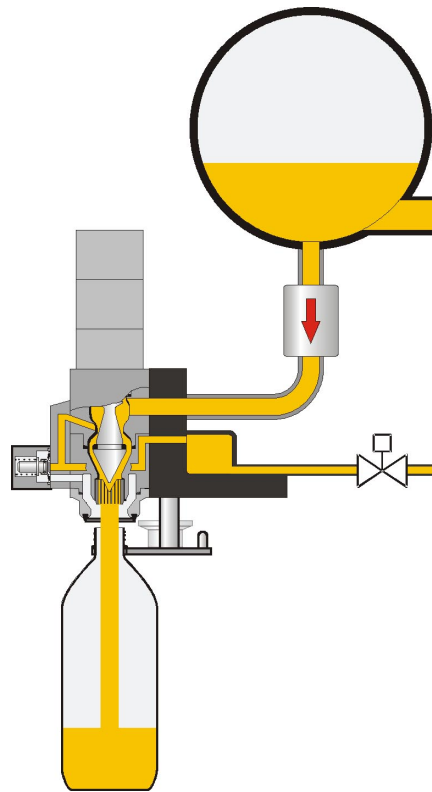
- Simple design in accordance with hygienic guidelines
- Tubular ring bowl, distributor ring and filling valve design enable short cleaning times
- PET bottles are held on the neck ring by plastic gripper elements
- The bottles are fed to the filler via a transfer star combination
- Electromagnetic inductive flow meter for determining filling volume
- Special gas lock at product outlet prevents dripping when closing the filling valve
- Manually insertable CIP plates for loss-free cleaning
- Standard plastic screw caps





Benefits

- High filling accuracy is achieved by measuring filling volumes with electromagnetic inductive flow meter.
- Plastic gripper elements for bottle conveying ensure the highest degree of reliability and system availability.
- Minimal changeover times when changing bottles with the same neck diameter; easy changeover to other bottle neck diameters



Service

- Worldwide service
- Customer-specific design
- Complete line design
- Turnkey system design
- Rapid spare parts supply

Options

- Front table for capper
- Processing of multi-start thread caps and sports caps
- Filler equipped with weighing cells
- Hot water flushing and foam cleaning for various machine areas
- Automatic feeding of CIP plates
- Automatic changeover to a second bottle opening size
- Filler housing according to clean room classification

Technical Data

Bottle contents: 0.1 l to 5.0 l
 Bottling temperature: 4 to 16°C (cold)/up to 85°C (hot)
 Bottle height: 130 to 360 mm
 Bottle diameter: 40 to 125 mm
 Solids contents: (hot filling)
 Fiber length: 8 mm; Fiber diameter: 1.5 mm
 Max. solids content: 5%
 Filling accuracy: $s = 1.5$ to 3.0 ml

Filler Pitch Circle	/	Capacity (bph) *Filler
2160	/	12,000 to 38,000
2880	/	16,000 to 48,000
3600	/	20,000 to 58,000
4320	/	24,000 to 68,000

Capper Pitch Circle	/	Capacity (bph) *Capper
480	/	up to 27,000
540	/	15,000 to 33,000
720	/	20,000 to 44,000
880	/	up to 49,500
900	/	45,000 to 70,000

*Capacity depends on pitch, bottle and product to be bottled.

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