



Requirements and Solutions

The Innosept Asbofill ABF (Aseptic Bottle Filler) machine program is designed for the aseptic filling of liquid, non-carbonated, microbiologically sensitive high- and low acid products.

The nominal capacity of the machine program is approximately 12,000 bph single and 24,000 bph for TWIN concept machines.

The machines of Innosept Asbofill ABF series meet the requirement for processing different filling volumes and are available for various types of bottle necks:

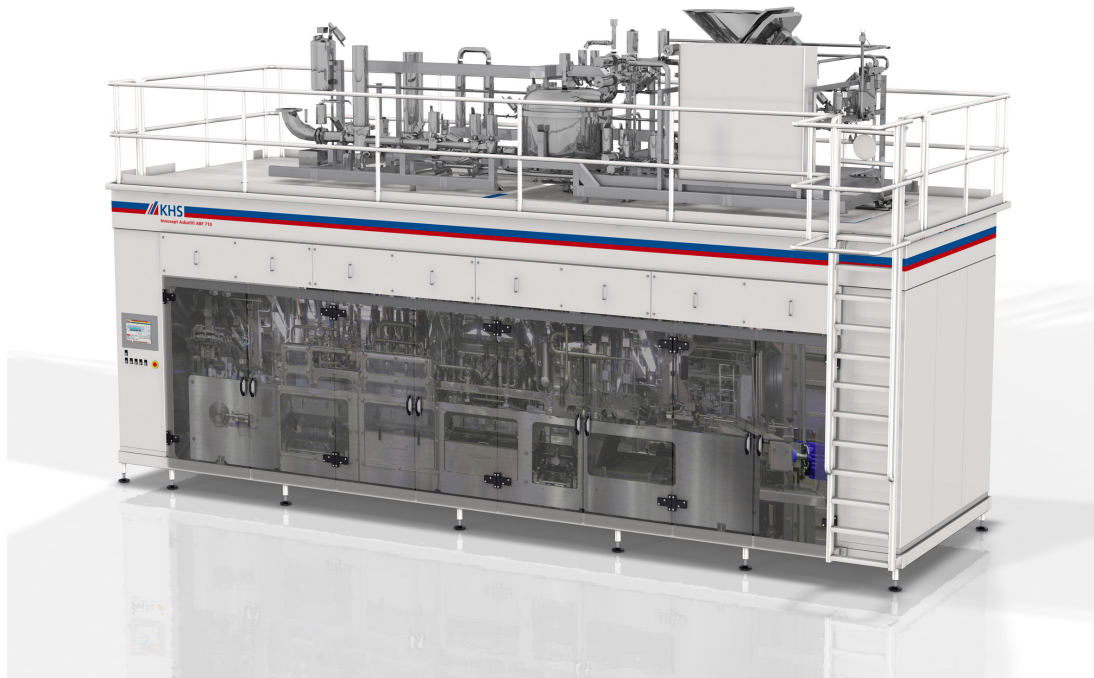
- Innosept Asbofill ABF 611 and 611 TWIN for 100 - 750 ml (1,000 ml) filling volume range
- Innosept Asbofill ABF 712 and 712 TWIN for 250 - 2,000 ml filling volume range

Key Features

- Completely closed, linear machine platform - developed especially for aseptic filling
- Modular machine concept with an extremely small aseptic zone
- Machine design, process and control technology according to VDMA class V
- Effective bottle and closure sterilization with peroxide technology (H₂O₂)
- Machines available with aseptic aluminum foil sealing or aseptic plastic screw capping
- Non-contact filling system
- Positive-displacement flow to reliability maintain aseptic conditions in the aseptic zone

Standard Equipment

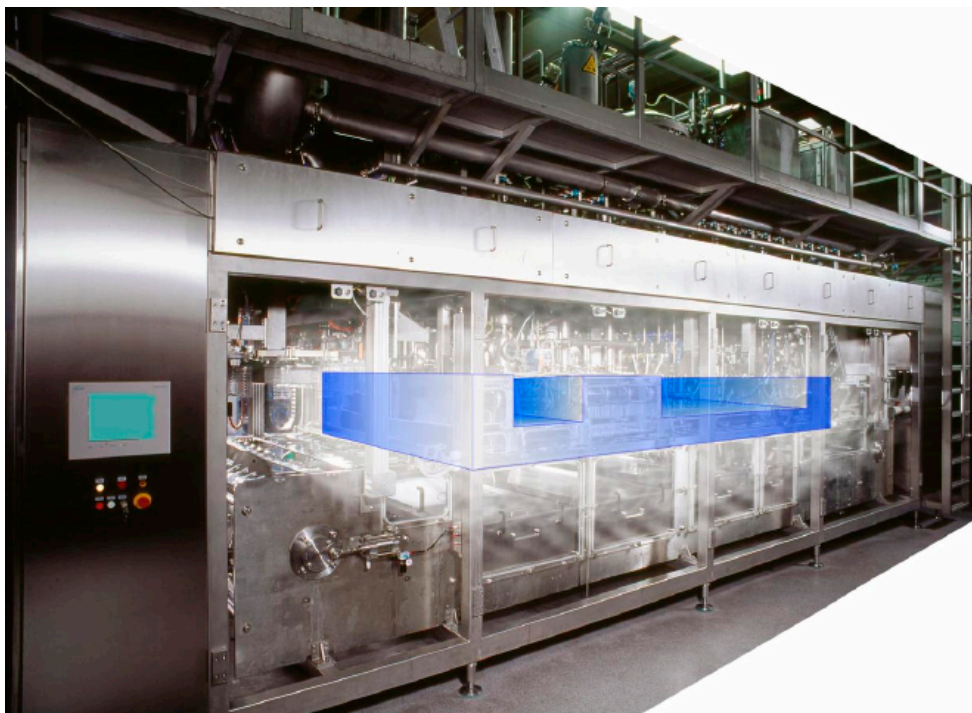
- Fully automated filling process
- Complete, integrated valve manifold module including sterile air preparation
- Double monitoring of microbiologically relevant valves
- Internal machine process technology integrated into the machine
- Monitoring of all machine parameters
- Foam cleaning station for automatic machine cleaning
- Low-pressure air supply unit
- Easy touch-screen operation
- Capper unit located inside the aseptic zone
- Filling valves with electromagnetic inductive flowmeters





Benefits

- Bottles and caps reliably sterilized with peroxide condensation
- Easy handling of different bottle shapes and materials within same neck diameter
- Optional low residual oxygen levels thanks to nitrogene technology
- Resource-conserving and environmentally friendly
- Low operating costs
- Fast product changing and short changeover
- High flexibility for small batches
- High system availability - no intermediate sterilization during production
- High operator acceptance due to intuitive operator prompting
- Microbiological safety due dry surfaces aseptic zone
- Non-contact, free-flow filling
- Small footprint
- Alternating ESL and aseptic operation possible



Service

- Standardized maintenance system
- Worldwide service
- Immediate assistance via ReDiS remotediagnostic system
- Complete systems for the beverage and dairy product industry

Options

- Lane coding system
- H2O2 handling station
- Filling valves for pulpy products with fiber lengths of up to 15 mm
- Bottle and headspace flush with gaseous nitrogene
- Headspace flush with liquid nitrogene (only for ABF 712 / 712 TWIN with screw capping unit available)
- Aluminium foil seal
- Production data acquisition for Plant Monitoring System (PMS)

Technical Specifications

Machine capacities

- ABF 611: 12,000 bph for 500 ml; 9,000 bph for 750 ml; 6,000 bph for 1,000 ml
- ABF 611 TWIN: 24,000 bph for 500 ml; 18,000 bph for 750 ml; 12,000 bph for 1,000 ml
- ABF 712: 12,000 bph for 1,000 ml; 9,000 bph for 1,500 ml; 6,000 bph for 2,000 ml
- ABF 712 TWIN: 24,000 bph for 1,000 ml; 18,000 bph for 1,500 ml; 12,000 bph for 2,000 ml

Machine dimensions (mm)

- ABF 611: 7,300 x 1,700 x 4,000 (LxWxH), Footprint: ~ 12.5 m²
- ABF 611 TWIN: 7,300 x 4,400 x 4,000 (LxWxH), Footprint: ~ 32.5 m²
- ABF 712: 9,000 x 2,400 x 6,000 (LxWxH), Footprint: ~ 22 m²
- ABF 712 TWIN: 9,000 x 5,800 x 6,000 (LxWxH), Footprint: ~ 52.5 m²

Bottle dimensions

- ABF 611 / 611 TWIN: Max. bottle diameter: 85 mm, max. height: 240 mm
- ABF 712 / 712 TWIN: Max. bottle diameter: 120 mm, max. height: 350 mm
- Standard neck diameter: 28 mm, 38 mm or 43 mm conveyed by neck ring (different neck sizes optional available)

Closures

- Plastic Screw Caps or Aluminum Foil Seal (depending on machine type)

Products

- Milk, yogurt drinks, mixed milk drinks, mixed coffee drinks, fruit and vegetable juices

For further information please ask for the technical machine description of "Linear aseptic bottle filling system KHS Innosept Asbofill ABF"

Thomas Niehr
 KHS GmbH
 Planiger Straße 139 - 147
 55542 Bad Kreuznach
 Germany
 Phone: +49 (0) 671 / 852-0
 Fax: +49 (0) 671 / 852-2904
 E-mail: innosept.asbofill@khs.com
 www.khs.com

