



Requirements and Solutions

The Innosept Asbofill ASR (Aseptic Rotary Filler) machine program is designed for the aseptic filling of microbiologically sensitive high and low acid products.

The nominal capacity of the machine program is approximately 24,000 bph (ASR 24) and 36,000 bph (ASR 36).

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

- Innosept Asbofill ASR 24 / 500 for 250 – 1,000 ml filling volume range
- Innosept Asbofill ASR 24 / 1000 for 250 – 1,500 ml filling volume range
- Innosept Asbofill ASR 36 / 500 / 1000 / 1500 for 250 – 1,500 ml filling volume range

Key Features

- Completely closed, rotary machine platform - developed especially for aseptic filling
- Room-in-room concept with very small aseptic zone
- Machine design, process and control technology according to VDMA class V
- Effective bottle and closure sterilization with peroxide technology (H₂O₂)
- Non-contact filling system
- Guided air flow to 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 operation by two touch-screen (one freely positionable)
- Capper unit located inside the aseptic zone
- Filling valves with electromagnetic inductive flowmeters





Benefits

- Bottle 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 nitrogen technology
- Resource-conserving and environmentally friendly
- Low operating costs
- High system availability - no intermediate sterilization during production
- High operator acceptance due to intuitive operator prompting
- Microbiological safety due to dry surfaces in the aseptic zone
- Non-contact filling
- Small footprint



Service

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

Options

- Bottle coding system
- H2O2 handling station
- Filling valves for pulpy products with fiber lengths of up to 15 mm
- Headspace flush with liquid nitrogen
- Production data acquisition for Plant Monitoring System (PMS)
- Media monitoring
- Filling of light carbonated products

Technical Specifications

Machine capacities

- ASR 24 / 500: 24,000 bph up to 500 ml; 18,000 bph up to 1,000 ml
- ASR 24 / 1000: 24,000 bph up to 1,000 ml; 16,000 bph up to 1,500 ml
- ASR 36 / 500: 36,000 bph up to 500 ml; 24,000 bph up to 1,000 ml; 16,000 bph up to 1,500 ml
- ASR 36 / 1000: 36,000 bph up to 1,000 ml; 24,000 bph up to 1,500 ml
- ASR 36 / 1500: 36,000 bph up to 1,500 ml

Maschine dimensions (mm)

- ASR 24 / 500 and ASR 24 / 1000: on request
- ASR 36 / 500: 10,900 x 8,320 x 5,200 (LxWxH); Footprint: ~ 87 m²
- ASR 36 / 1000: 10,900 x 9,020 x 5,200 (LxWxH); Footprint: ~ 95 m²
- ASR 36 / 1500: 10,900 x 9,820 x 5,200 (LxWxH); Footprint: ~ 103 m²

Bottle dimensions

- ASR 24 / 36: Max. diameter 105 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

Products

- Mixed milk drinks, mixed coffee drinks, fruit and vegetable juices

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

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