Aseptic fillers
Technology to match every product
Technology for every product

All aseptic systems are not the same. For each beverage brings its own individual characteristics into the process – and expects exactly the same from its filling system.

That is why the aseptic filling technology from KRONES is fanned out into different systems. This way, we can be sure that each filling product is treated using exactly the right technology. For an efficient filling process to make an immaculate impression on the consumers.
At a glance

**Dairy products**

Filling systems with load cells
- High and low-acid products
- High fat content
- Particles up to 5 x 5 x 5 millimetres

**Soft drinks**

Filling systems with flow meters
- High and low-acid products
- Citrus fibres up to 2 x 10 millimetres
- Particles up to 5 x 5 x 5 millimetres

**Containing particles**

Filling systems with flow meters and particle dosing
- High-acid products
- Particles up to 10 x 10 x 10 millimetres
- Citrus fibres up to 2 x 15 millimetres

**Carbonated**

Filling systems with flow meters
- High-acid products
- Particles up to 3 x 3 x 3 millimetres
For all products:
Filling valves with load cells – Modulfill Asept NWJ

Range of applications
Dairy products in the high and low-acid range
Products with
- Ingredients which could influence a flow meter
- Fat content up to 5 percent
- Particles up to 5 x 5 x 5 millimetres
- Fibres up to 2 x 10 mm

Benefits to you
- High microbiological safety
- Very precise fill quantities – regardless of the product characteristics
- Optimum flow behaviour
- Smooth filling process which is gentle on the product
- Minimum production loss
- Quick and media-efficient disinfection
- No CIP distributor needed

Technical features
- Contactless full-jet filling
- Load cells with neck-handling for determining the flow quantity
- Two different filling speeds
- Non-turbulent closing of the filling valves thanks to a second diaphragm in the product channel
- Product feed from above via a sliding ring manifold
- Sterilisation with steam

NWJ = Net weight filling, Weighing cell, full Jet
For soft drinks:  
Filling valves with flow meters – Modulfill Asept VFJ

**Range of applications**
- Soft drinks in the high and low-acid range
- Products with
  - Particles up to 5 x 5 x 5 millimetres
  - Fibres up to 2 x 10 mm

**Benefits to you**
- High microbiological safety
- Precise fill quantities
- Optimum flow behaviour
- Smooth filling process which is gentle on the product
- Minimum production loss
- Quick and media-efficient disinfection
- No CIP distributor needed

**Technical features**
- Contactless full-jet filling
- Inductive flow meter for determining the quantity of liquid
- Two different filling speeds
- Non-turbulent closing of the filling valves thanks to a second diaphragm in the product channel
- Product feed from above via a sliding ring manifold
- Sterilisation with steam

**VFJ** = Volumetric filling, Flow meter, full Jet
For foaming products with particles: Two-channel valves with infinitely variable speed control system – Modulfill Asept VFJ-D with PFR valve

**Range of applications**
- Products with
  - Particles up to 10 x 10 x 10 millimetres
  - Fibres up to 2 x 15 mm

**Benefits to you**
- High microbiological safety
- Optimum flow behaviour
- Smooth filling process which is gentle on the product
- Gentle treatment of the particles
- No pre-dosing unit needed
- Minimum production loss
- Quick and media-efficient disinfection
- No CIP distributor needed
- Flexible use for different products
- Very precise fill quantities
- No particle overdosing needed

**Technical features**
- Contactless full-jet filling
- Two different filling speeds
- Non-turbulent closing of the filling valves thanks to a second diaphragm in the product channel
- Two separate lines for liquid ingredients and particles
- Particles are dosed directly into the filling valve
- Product feed from above via a sliding ring manifold
- Sterilisation with steam
- Dosing unit can be switched off
- Measurement of the fill quantity during particle dosing:
  - Inductive flow meter measures the liquid product displaced in the filling valve

*VFJ-D = Volumetric filling, Flow meter, full Jet, Double filling valve*

*PFR = Proportional Flow Regulator*
For product with particles: Two-channel valves – Modulfill Asept VFJ-D

Range of applications
- Products with
  - Particles up to 10 x 10 x 10 millimetres
  - Fibres up to 2 x 15 mm

Technical features
- Contactless full-jet filling
- Two separate lines for liquid ingredients and particles
- Particles are dosed directly into the filling valve
- Infinitely variable filling speed
- Product feed from above via a sliding ring manifold
- Sterilisation with steam
- Dosing unit can be switched off
- Measurement of the fill quantity during particle dosing:
  - Inductive flow meter measures the liquid product displaced in the filling valve

Advantages
- High microbiological safety
- Gentle treatment of the particles
- No pre-dosing unit needed
- Quick filling process without foaming
- Minimum production loss
- Quick and media-efficient disinfection
- No CIP distributor needed
- Flexible use for different products
- Very precise fill quantities
- No particle overdosing needed

VFJ-D = Volumetric filling, Flow meter, full Jet, Double filling valve
For carbonated and still products:
Filling with and without pressure – Modulfill Asept VFJ

Range of applications
- Still and carbonated high-acid products
- Products with
  - Particles under 3 x 3 x 3 millimetres
  - Fibres under 2 x 10 millimetres

Technical features
- Method of filling
  - For still products: contactless in full jet
  - For carbonated products: with a counter-pressure principle
  - Inductive flow meter for determining the quantity of liquid
  - Two different filling speeds
  - Product feed from above via a sliding ring manifold
  - Sterilisation with steam

Advantages
- Flexible use for different products
- High microbiological safety
- Foam-inhibited filling process
- Precise fill quantities
- Optimum flow behaviour
- Minimum production loss
- Quick and media-efficient disinfection
- No CIP distributor needed

VFJ = Volumetric filling, Flow meter, full Jet
For foaming carbonated and still products:
Filling valves with swirl inserts – Modulfill Asept VFS

**Range of applications**
- Still and carbonated high-acid products
- Products with
  - Particles under 3 x 3 x 3 millimetres
  - Fibres under 2 x 10 millimetres

**Technical features**
- Method of filling
  - For still products: pressureless
  - For carbonated products: with a counter-pressure principle
- Swirl insert in the valve
- Two different filling speeds
- Inductive flow meter for determining the quantity of liquid
- Product feed from above via a sliding ring manifold
- Sterilisation with steam

**Benefits to you**
- Flexible use for different products
- Non-turbulent, foam-inhibited filling process
- Optimum flow behaviour
- Precise fill quantities
- Minimum production loss
- Quick and media-efficient disinfection
- No CIP distributor needed

VFS = Volumetric filling, Flow meter, Short tube
Digitalisation
Process technology
Bottling and packaging equipment
Intralogistics
Lifecycle Service

We do more.