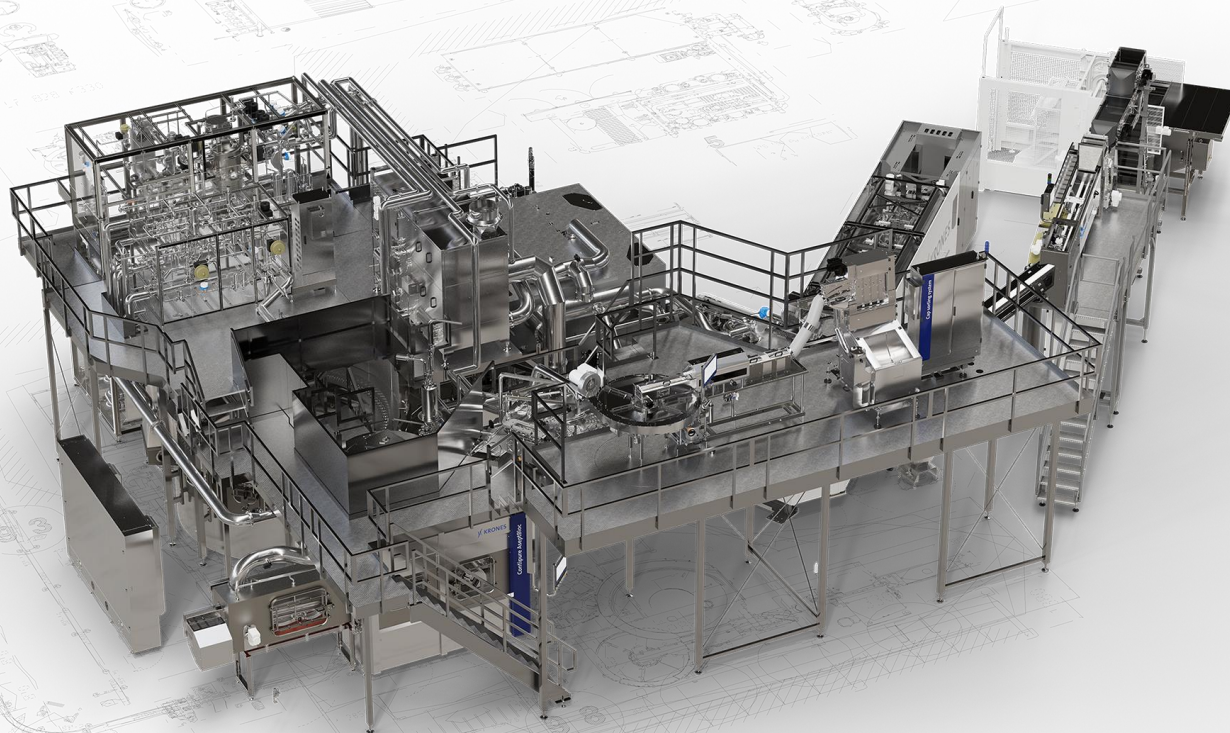




Aseptic fillers

Technology to match every product



 **KRONES**

Technology for every product



All aseptic systems are not the same

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 inductive flow meter or load cells

- Products with high fat content
- High and low-acid products
- Particles up to 5 x 5 x 5 millimetres

Containing particles



Filling systems with flow meters and particle dosing

- High and low-acid products
- Particles up to 10 x 10 x 10 millimetres
- Fibres up to 2 x 15 mm

Juice and tea products



Filling systems with flow meters

- Still high and low-acid products
- Fibres up to 2 x 10 mm
- Particles up to 5 x 5 x 5 millimetres

Carbonated



Filling systems with flow meters

- High and low-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

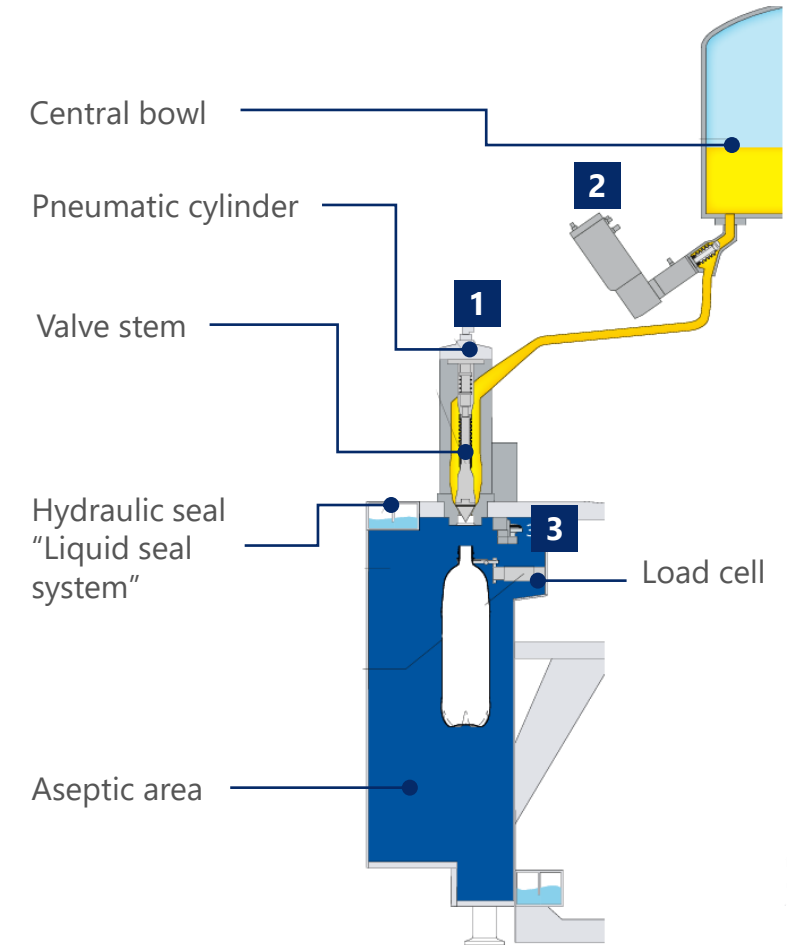
- Dairy products in the high and low-acid range
- Products with ingredients that could affect the accuracy of a flow meter
- Ideal for various dairy products
- Particles up to 5 x 5 x 5 millimetres
- Fibres up to 2 x 10 mm

Technical features

- Non-contact full-jet filling
- High-precision determination of the fill quantity with load cells in the neck-handling system
- Infinitely variable control of the filling speed by the Krones PFR (Proportional Flow Regulator)
- Non-turbulent closing of the filling valves thanks to double-stroke seat valve
- Product feed from above via a sliding ring manifold
- Sterilisation with steam

NWJ: Net weight filling, Weighing cell, full Jet

- 1 Valve stem control cylinder
- 2 PFR valve
- 3 SIP cup



Benefits to you

Modulfill Asept NWJ



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



New machine enquiry

You can easily enquire a non-binding quotation in our [Krones.shop](https://www.krones.com/shop).



For soft drinks

Filling valves with flow meters – Modulfill Asept VFJ



Range of applications

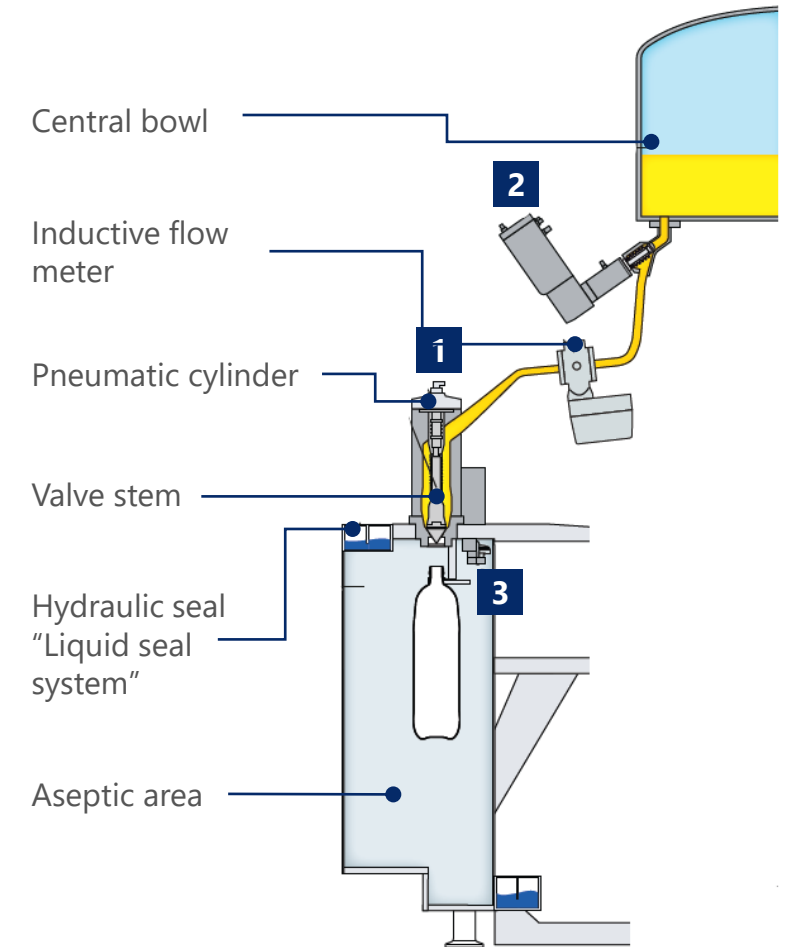
- Juice and tea products in high and low-acid range
- Products with
 - Particles up to 5 x 5 x 5 millimetres
 - Fibres up to 2 x 10 mm

Technical features

- Non-contact full-jet filling
- Precise determination of fill quantity via inductive flow meter
- Infinitely variable control of the filling speed by the Krones PFR (Proportional Flow Regulator)
- Non-turbulent closing of the filling valves thanks to double-stroke seat valve
- Product feed from above via a sliding ring manifold
- Sterilisation with steam

VFJ: Volumetric filling, Flow meter, full Jet

- 1 Valve stem control cylinder
- 2 PFR valve
- 3 SIP cup



Benefits to you



Modulfill Asept VFJ

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



New machine enquiry

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For foaming products with particles: Two-channel valves with infinitely variable speed control system – Modulfill Asept VFI-D with PFR valve



Range of applications

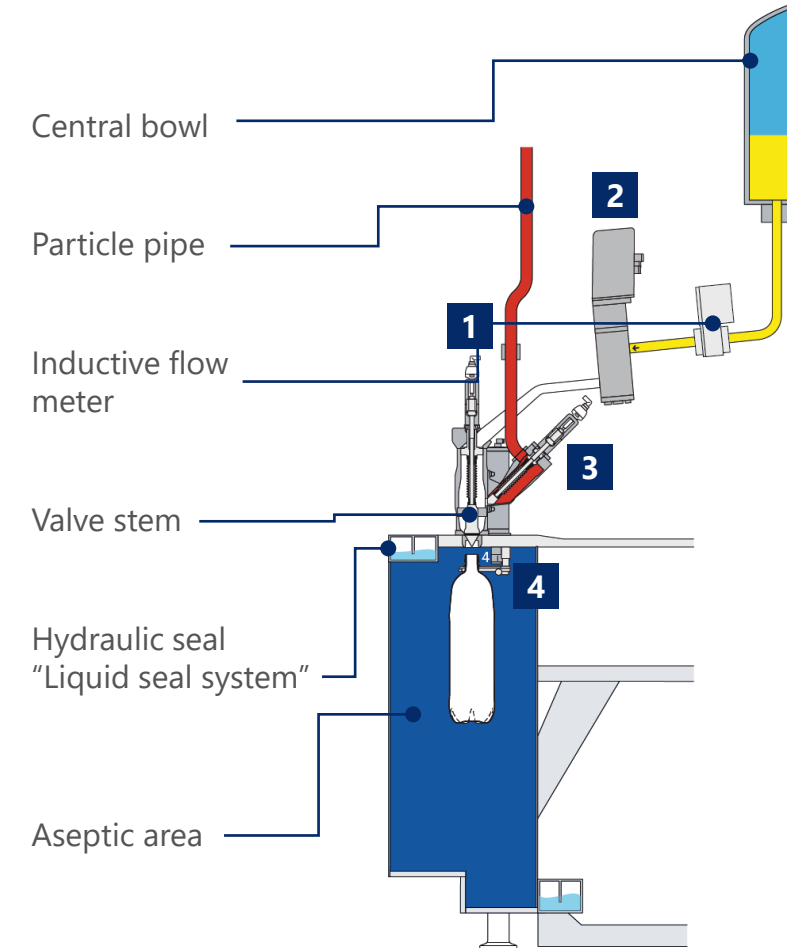
- Products with
 - Particles up to 10 x 10 x 10 millimetres
 - Fibres up to 2 x 15 mm

Technical features

- Non-contact full-jet filling
- Two separate lines for liquid ingredients and particles
- Particles are dosed directly into the filling valve
- Infinitely variable control of the filling speed by the Krones PFR (Proportional Flow Regulator)
- 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

VFI-D: Volumetric filling, Flow meter, full Jet, Double filling valve
PFR: Proportional Flow Regulator

- 1 Pneumatic cylinder, valve stem
- 2 PFR filling valve
- 3 Dosing bevel control cylinder (particles)
- 4 SIP cup



Benefits to you



Modulfill Asept VFJ-D with PFR valve

- High microbiological safety
- Optimum flow behaviour
- Smooth filling process which is gentle on the product
- Quick filling process without foaming
- Gentle treatment of the particles
- No pre-dosing unit needed
- Minimum product loss
- Quick and media-efficient disinfection
- No CIP distributor needed
- Flexible use for different products
- Very precise fill quantities
- No particle overdosing needed



New machine enquiry

You can easily enquire a non-binding quotation in our [Krones.shop](https://www.krones.com/shop).



For carbonated and non-carbonated products

Filling with and without pressure – Modulfill Asept VFJ



Range of applications

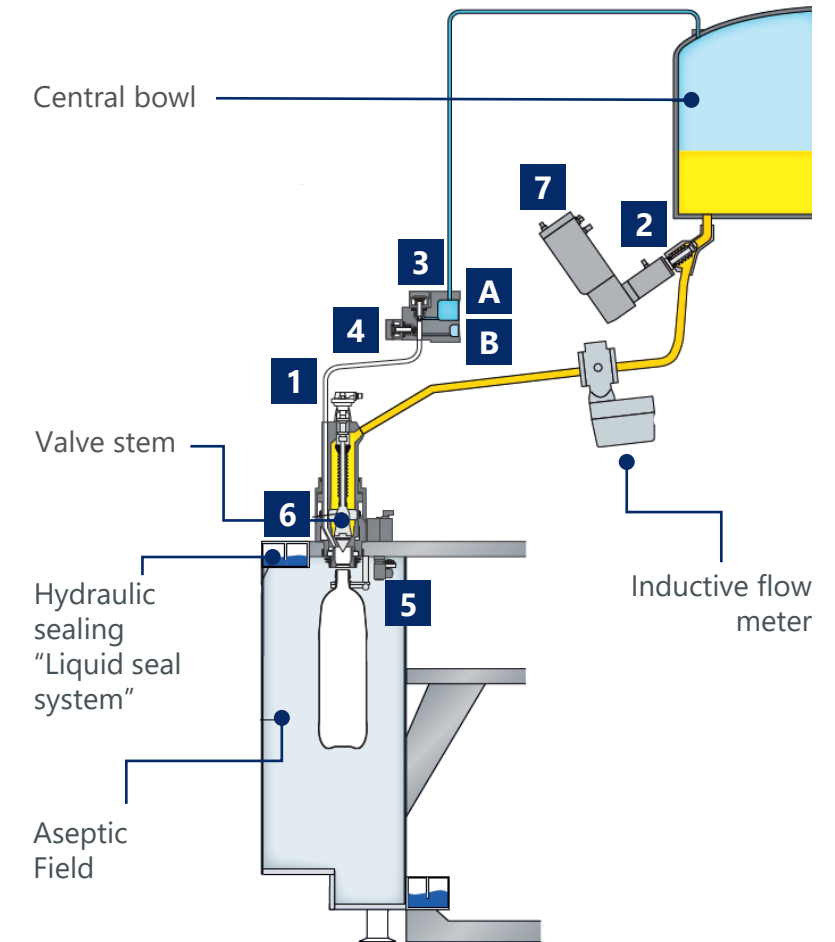
- Still high and low-acid products
- Carbonated high-acid products
- Products with
 - Particles up to 3 x 3 x 3 millimetres
 - Fibres up to 2 x 10 mm

Technical features

- Method of filling
 - For still products: Non-contact in full jet
 - For carbonated products: pressed-on, according to 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

VFJ: Volumetric filling, Flow meter, full Jet

- 1 Pneumatic cylinder, valve stem
- 2 PFR valve filling
- 3 Pressurisation valve, return gas valve and CIP valve
- 4 Snifting and CIP valve
- 5 SIP cup
- 6 Pressing-on unit
- 7 PFR valve closing
- A Pressurisation channel and CIP return channel
- B Snifting and CIP return channel



Benefits to you

Modulfill Asept VFJ

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



New machine enquiry

You can easily enquire a non-binding quotation in our Krones.shop.



For carbonated and non-carbonated products

Filling with and without pressure – Modulfill Asept VFS



Range of applications

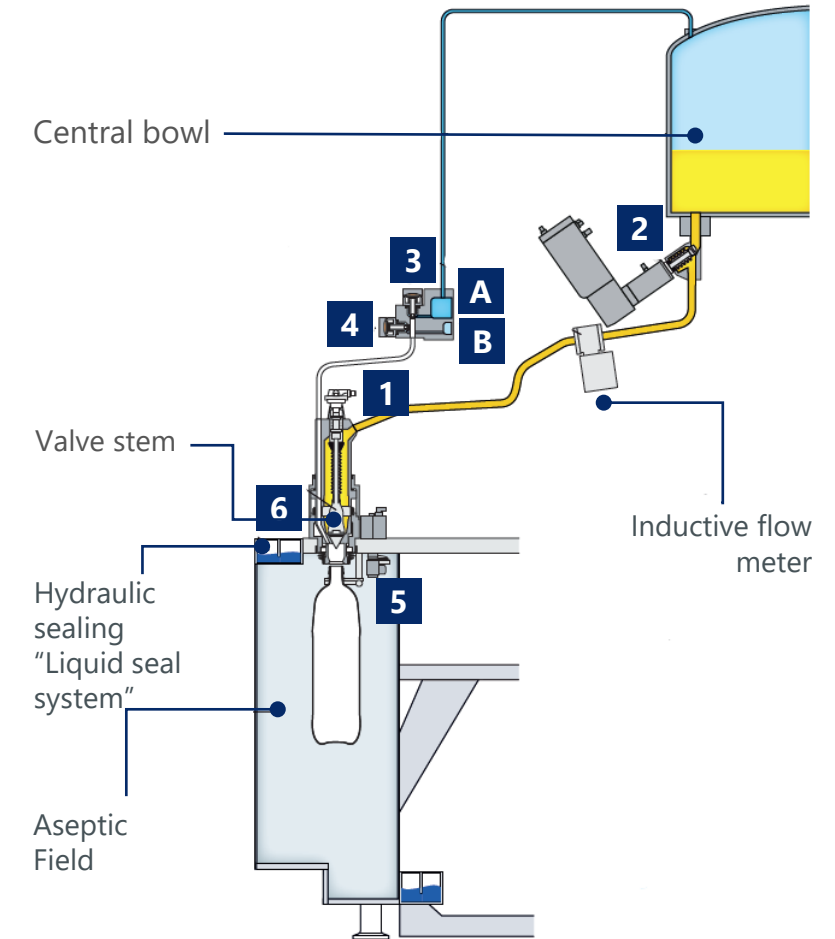
- Still and carbonated high-acid products
 - Pulp up to 0.4 x 0.4 x 0.4 millimetres
 - Fibres up to 2 x 10 mm

Technical features

- Method of filling
 - For still products: Pressed-on, pressureless
 - For carbonated products: pressed-on, according to counter-pressure principle
- Swirl insert in the valve
- Precise determination of fill quantity via inductive flow meter
- Infinitely variable control of the filling speed by the Krones PFR (Proportional Flow Regulator)
- Product feed from above via a sliding ring manifold
- Sterilisation with steam

VFS: Volumetric filling, Flow meter, Short tube

- 1 Pneumatic cylinder, valve stem
- 2 Switching valve fast/slow
- 3 Pressurisation valve, return gas valve and CIP valve
- 4 Snifting and CIP valve
- 5 SIP cup
- 6 Pressing-on unit
- A Pressurisation channel and CIP return channel
- B Snifting and CIP return channel



Benefits to you



Modulfill Asept VFS

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



New machine enquiry

You can easily enquire a non-binding quotation in our Krones.shop.



Everything from a single source



Krones Academy – Know-how for maximum line performance

The Krones Academy's training courses will help you enhance your team's skills. Whether it's operation, servicing, maintenance or automation: Our face-to-face training courses, digital learning programmes and individual qualifications cover a wide range of topics.

KIC Krones cleaning agents make your machine shine

Only if the production environment is immaculate, can your product be brilliant. KIC Krones provides you with the optimum cleaning agents and disinfectants for each individual production step.

KIC Krones lubricants for each production step

Whether for gears, chains or central lubrication systems – our greases and oils are true all-round talents. They can reach every lubrication point, protect your line and ensure gentle treatment for your products thanks to their food-grade quality.

Krones Service – comprehensive support

It goes without saying that also after the purchase of new machines, Krones takes care of your lines: Our service team is always on hand to support you in ensuring the long-term operation of your lines.

High-quality components from Evoguard and Ampco Pumps

Are you looking for shut-off, separation or control valves? For hygienic or aseptic applications? Would you like to have pump technology that perfectly fits into your machines? Evoguard and Ampco Pumps cover the entire spectrum of process technology components you need for high-quality production.

**SOLUTIONS
BEYOND
TOMORROW**

