

### Requirements and Solutions

The Innopro® Corvus filter series features closed filters for pre- and final filtration with optimum separation effect and reliability.

These cartridge filters are ideal for the cold sterile filtration of all styles of beer.

The method of filtration ensures that any microorganisms possibly present that are harmful to the product are reliably filtered out of the product to be filled without thermal stress. This series of filters is characterized by its wide range of possible applications.

### Key Features

- Hygienic, stainless-steel filter housing (AISI 304), including a mounting plate to accommodate and fasten the filter elements
- Filter housing can be standing or suspended
- 30" and 40" filter cartridges, depending on task specifications and system capacity
- Filter cartridges with double O-rings that reliably seal off the unfiltered product area from filtrate area
- Bayonet lock for easy cartridge changing
- Insertion of all makes of cartridge using a code 7 lock
- Minimum first and post runnings thanks to low housing volumes
- Very easy operation coupled with minimum maintenance

### Standard Equipment

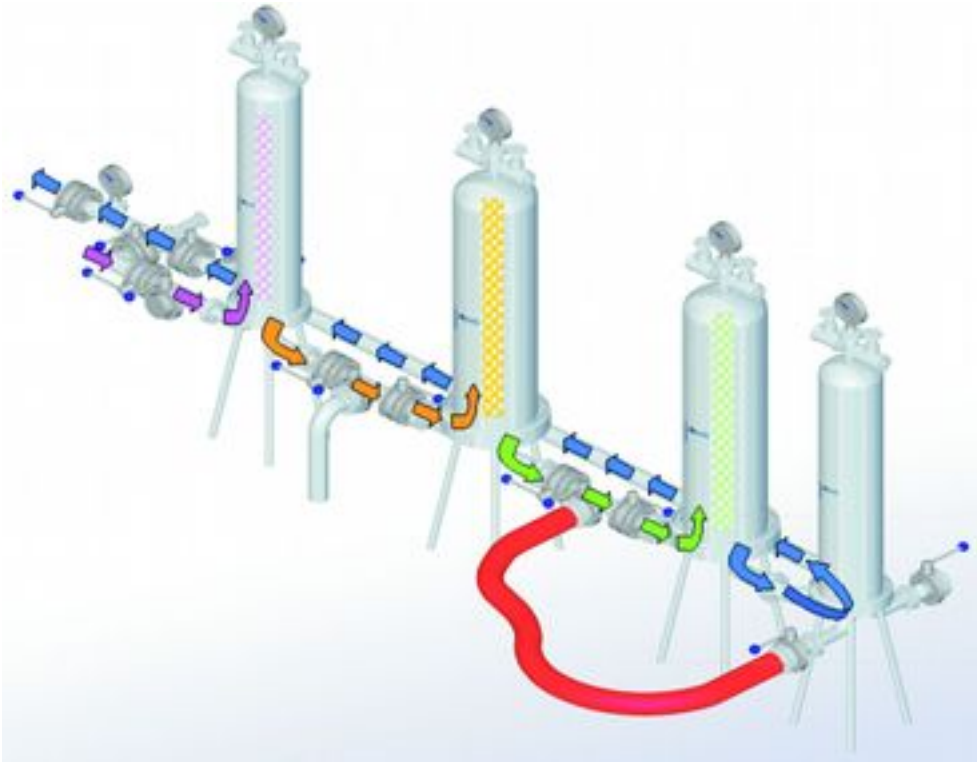
- Filter vessel (6-10 bar, depending on housing size and number of filter cartridges), including fittings and equipment necessary for manual or automatic operation
- Filter cartridges are the filter elements
- Pressure monitoring of the filter system
- Piping exposed to product made of stainless steel (AISI 304)
- Skid-mounted, compact, stainless- steel (AISI 304) machine design
- Consistent hygienic design





Benefits

- Maximum product safety and quality with no product temperature stress
- Customized systems and system design, either single line or redundant
- Filtration capacity increased by inserting additional filter cartridges
- Fast and easy replacement of filter cartridges
- High machine availability (e.g. through redundancy)
- Excellent total cost of ownership (TCO) performance



Service
<ul style="list-style-type: none"><li>· Worldwide service</li><li>· Customized machine layout</li><li>· Can be integrated into existing systems and greenfield projects</li><li>· Remote maintenance of automatic systems via KHS' Remote Diagnostic Service (ReDiS)</li><li>· Support provided by KHS Technology Center</li></ul>
Options
<ul style="list-style-type: none"><li>· Full automation of the filter system</li><li>· Filtration of the CIP medium for the rinsing and backwashing of the filter system</li><li>· Quality measurement for oxygen etc.</li><li>· Tandem system design for higher filtration performance</li><li>· Integrity test to check intactness of filter elements</li></ul>

Technical Data
Product
Beer
Filter output (nominal)
From 35 hl/h to 400 hl/h
Cartridge length (standard)
30 - 40 inches
Applications
Particle and sterile filtration