



### 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 clarifying filtration, sterile filtration, particle filtration, and gas filtration. Product is filtered by replaceable, candle-shaped filter cartridges with a bayonet lock, 30" to 40" in length.

This series of filters is characterized by its wide range of possible applications.

It is suitable for:

- Clarifying filtration of beer/wine/spirits and juice/sugar syrup
- Cold sterile filtration of beer/wine/water
- Safety filtration immediately prior to filling
- Sterile filtration of gases

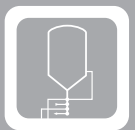
### Key Features

- Hygienic, stainless-steel filter housing (AISI 304), including a mounting plate to accommodate 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 the 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)
- Compact machine design in stainless steel (AISI 304)
- 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**

- Worldwide service
- Customized machine layout
- Can be integrated into existing systems and greenfield projects
- Remote maintenance of automatic systems via KHS' Remote Diagnostic Service (ReDiS)
- Support provided by KHS Technology Center

**Options**

- Full automation of the filter system
- Filtration of the CIP medium for the rinsing and backwashing of the filter system
- Quality measurement for oxygen etc.
- Tandem system design for higher filtration performance
- Integrity test to check intactness of filter elements

**Technical Data**

**Product**

Beer, sugar syrup, wine, water, juices, spirits, gases

**Filter output (nominal)**

Particle filtration up to 800 hl/h

Water filtration up to 70,000 l/h

Gas filtration up to 1,500 Nm<sup>3</sup>/h

**Cartridge length (standard)**

30 - 40 inches / 10 inches for gases

**Applications**

Particle filtration, sterile filtration, clarifying filtration

KHS GmbH

Planiger Str. 139-147  
55543 Bad Kreuznach  
Germany

Phone: +49 (0) 671 / 852 - 2211

Fax: +49 (0) 671 / 852 - 2746

E-mail: [alfons.abels-ruemping@khs.com](mailto:alfons.abels-ruemping@khs.com)

[www.khs.com](http://www.khs.com)

