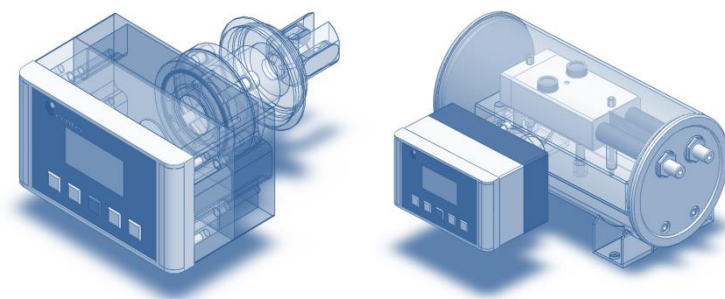


## The Centec Group

Centec is a privately owned group of companies. Our automated process skids are used throughout the entire brewing process. For soft drinks, dairy and food industries we offer a large variety of skid mounted systems. We have decades of experience in water purification and deaeration, carbonation, liquid blending and dosing, flash pasteurization and cleaning-in-place. Centec technology includes a range of high precision process sensors for accurately measuring critical product properties such as extract, alcohol, milk fat, O<sub>2</sub> and CO<sub>2</sub>. The largest brewery, soft drink, dairy and food groups in the world are among our key customers.



**Accuracy. Reliability. Centec.**

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**INTRAP**

**Product Sterile Filtration**

**Centec Beverage Systems**



Automated  
process skids  
and high precision  
sensors from a  
single source.  
**Centec.**

# INTRAP

## The Principle

The Centec trap filter skid INTRAP is a single- or multi-stage system containing back flushable filter cartridges with specific pore sizes. This unit can be used for many applications, e.g. for sterile product filtration or as an early step in a water treatment regime. By sterile filtration, particles and micro-organisms are removed from the product. This leads to an improvement of product stability and shelf life. When water is purified, prior solids removal avoids clogging and damage of the membranes that are subsequently applied to achieve even higher purity. INTRAP can be designed for manual operation with pressure indicators or as a fully automated system. For automatic back flushing the differential pressure needs to be continuously measured. With this option included, the lifetime of the filter cartridges is maximized. Depending on product characteristics, in some processes sterile filtration may be an alternative to flash pasteurization which is eliminating the most harmful micro-organisms by heat. Other manufacturers use sterile filters to treat the product before they flash pasteurize it.

## Technical Data

Capacity	20 - 1.500 hl/h
Min. Size of Rejected Particles	0,1 µm
Pressure of Operation	2 - 8 bar
Temperature of Operation	2 - 85 °C
Temperature of CIP	up to 85 °C
Material	1.4301/1.4404 AISI 304/316L
PLC	SIMATIC S7
Options	in-line O <sub>2</sub> measurement pressure measurement flash pasteurization



The Centec production is certified according to ISO 9001.

- **Application Specific and Energy Efficient**  
reliable product sterilization by specific sterile filters  
removal of solids to avoid clogging of membranes  
automatic back flushing on demand
- **Modular Design with Standard PLC**  
skid mounted for easy installation and start-up
- **Hygienic Execution and Full CIP Capability**
- **Outstanding Price-Performance-Ratio**

## Experience. Expertise. Centec.

*Ion Exchange · Reverse Osmosis · Membrane Deaeration · Column Deaeration · Hops Pre-Isomerization  
Wort Aeration · Yeast Pitching · Nitrogenation · Carbonation · Carboblending · High Gravity Blending  
Multi Component Mixing · Additive Dosing · Flash Pasteurization · Cleaning-in-Place · Dealkoholization*

