

EC-Beverage | Hygienic Chamber Filter Press

Efficient solid-liquid separation for the food & beverage industry

The chamber filter press for the highest hygiene standards

The EC-Beverage series from AQUACHEM has been specially developed for applications in the food and beverage industry. Wherever the highest hygiene standards and reliable solid-liquid separation are required, this manual chamber filter press provides the ideal solution.

Thanks to the **sealed filter elements**, a safe and reliable process is ensured at all times. The medium to be filtered does not come into contact with the surrounding environment – a decisive advantage for hygiene-sensitive processes such as the filtration of wine, juices or pharmaceutical suspensions.

On request, the EC-Beverage series can be fully equipped with stainless steel cladding – meeting the highest requirements for hygiene, corrosion protection and durability.



The EC-Beverage series from AQUACHEM

Your advantages at a glance

- Sealed chamber filter press – for clean working environments
- Closed filtrate discharge for the highest hygiene requirements
- Easy operation and cleaning
- Use of high-quality materials in accordance with food-grade standards (EU 10/2015) / FDA
- Individually adaptable to your process requirements
- Reliable solid-liquid separation with reproducible results

Areas of application

The EC-Beverage series is ideally suited for:

- Food industry (wine, juices, essences, concentrates)
- Beverage production (breweries, juice producers, distilleries)
- Biotechnology and fine chemicals



EC-Beverage | Technical features

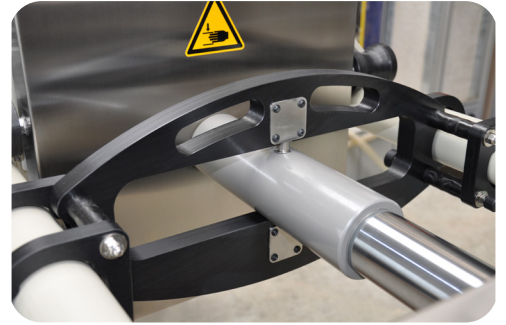
Hygienic, safe and adaptable

EC470B & EC630B – Compact, reliable, flexible

The smaller models of the EC-Beverage series offer easy operation combined with high performance. Both versions are equipped with AQUACHEM's proven hydraulic cylinder rotating mechanism, enabling the working area to be extended easily and safely for filter cake discharge.

Available options

- Control system: none / two-hand closing system / semi-automated via PLC
- Closing mechanism: electric or pneumatic-hydraulic



AQUACHEM rotating mechanism

EC800B to EC1200B – High performance on a larger scale

The larger models of the EC-Beverage series offer higher capacity along with additional optional comfort features.

Available options

- Process control via PLC / dialog control
- Semi-automatic plate shifting with two-hand operation
- Integration of almost any feed pump is possible



Semi-automatic plate shifting

Standard sizes of the EC-Beverage series

	EC470B/630B		EC800B/1000B/1200B		
Plate format	470 x 470mm	630 x 630mm	800 x 800mm	1000 x 1000mm	1200 x 1200mm
Filter type	Chamber filter press				
Filling pressure up to	15 bar				
Number of chambers	9 - 49 pcs.	9 - 75 pcs.	29 - 79 pcs.	29 - 79 pcs.	29 - 79 pcs.
Filter area	3 - 16.2m ²	5.1 - 42.8m ²	28.1 - 76.6m ²	45.5 - 124m ²	65.5 - 178.5m ²
Chamber depth	25mm				
Filter volume	34 - 186l	65 - 540l	342 - 932l	548 - 1,493l	754 - 2,054l
Operation	Manually/Partially automated		Semi-automated/Partially automated		

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