

# SYNOX 2.0<sup>®</sup> PS

Candle filter for PVPP stabilisation



For treatment of beer and other beverages

- Reliable beer stabilisation
- Low PVPP losses
- Easy to handle

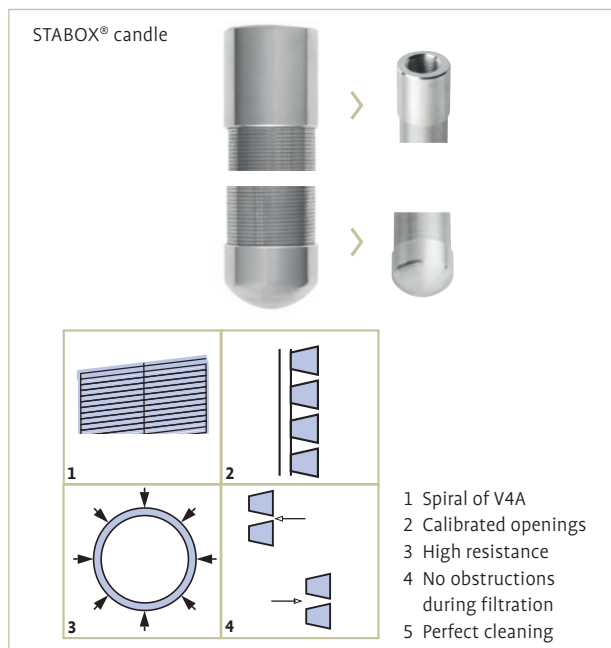
### Characteristics

The SYNOX 2.0® PS is an especially developed version of our market leading kieselguhr candle filters, and uses the same robust and reliable, patented STABOX® candles. Recognising the serious shortcomings of “traditional” horizontal pressure-leaf PVPP filters, the SYNOX® PS is based on two decades of positive experience with candle filters.

The new and patented inlet distributor allows superior flow control.

Higher reliability:

- stable and long-life filter elements (non-fouling, welded, steel wedge-wire lasting >15 years without deterioration)
- a simple and reliable process concept (constant hydraulic conditions)
- no moving parts and few elastomer seals



Lower operating costs:

- lower PVPP losses compared to horizontal leaf filters
- short regeneration and total downtimes
- infrequent, semi-skilled maintenance
- high productivity and low specific costs

Lower investment costs compared to horizontal leaf filters:

- special foundations not needed
- optimised (smaller & simpler) design
- reduced first charge (fill) of PVPP

### Applications

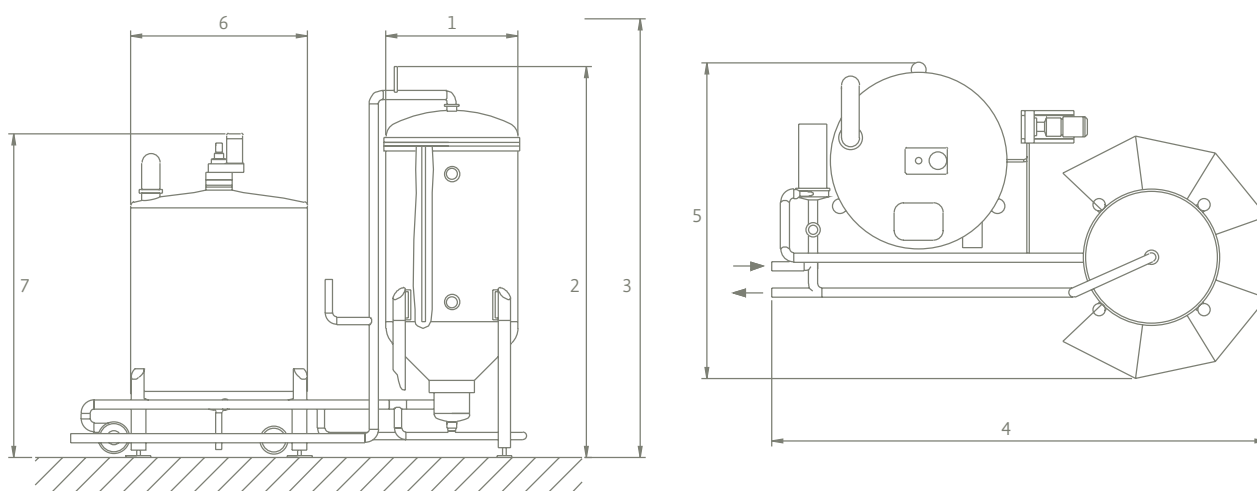
The SYNOX 2.0® PS is designed for economical treatment of beer and other beverages by using regenerable PVPP to achieve a long shelf-life, wherein the PVPP is regenerated in-situ. Expensive sacrificial (single-use) PVPP is eliminated. Even for moderate production capacities, the required investment can be amortised in a short time-scale.



## Technical data

SYNOX 2.0® PS size	Filter volume (litres)	Filtration capacity (hl / hr)	max. PVPP load (kg)
800	770	50–90	50
1100	1850	90–200	125
1300	3200	200–350	225
1500	4600	350–550	370
1800	7000	550–750	540
2000	8700	700–950	625
2300	10 600	600–1200	> 700

## Main dimensions



## Dimensions (mm)

SYNOX 2.0® PS	DOSIMAT®	1	2	3	4	5	6	7
800	1100G	800	2700	3200	3800	2160	1256	2423
1100	1700G	1120	3240	3740	4130	2320	1256	2923
1300	4000G	1300	4035	4535	5450	3300	1708	3515
1500	6000G	1500	4350	4850	5950	3700	2010	3685
1800	9000G	1800	4620	5120	6450	3850	2010	4685
2000	12000G	2000	4770	5270	6940	4240	2300	4745
2300	12000G	2300	5135	5635	7240	4390	2300	4745

### Bucher Unipektin AG

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### Customer Service

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Customer Service during Office Hours  
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### Bucher Unipektin, Competence Center Filtration – Let's be clear!

**Bucher Unipektin, Competence Center Filtration**, is the world leading manufacturer of turn-key filtration systems for the beverage industries. Apart from the well-known candle filter for the pre-coat filtration with kieselguhr and PVPP, **Bucher Unipektin, Competence Center Filtration**, also develops, designs, and manufactures other advanced technologies such as filters for sugar syrup and gelatine filtration, filter systems for beer-recovery and many more.

**Bucher Unipektin, Competence Center Filtration**, is a business partner with a long-term industrial focus, committed to fair partnership with our customers, employees, and business associates.

## Bucher Unipektin worldwide



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### Products and Services

Process technology for fruit and vegetable processing to juices, concentrates and puree production, for beer filtration, for milk powder production, for the vacuum drying of liquid and solid products, for freeze drying of coffee, tea, fruits, vegetable, etc. Technology for municipal and industrial sludge dewatering and drinking water filtration

**Products** Fruit reception lines, mills, mash heaters, hydraulic presses, membrane filtration equipment, adsorber, ion exchanger, evaporators and aroma plants, pasteurizers, CIP systems, vacuum and freeze drying cabinets and belt dryer, zeolite adsorber, complete processing lines

**Services** Process development and project engineering; assembly and commissioning; technical support; original spare parts; inspection; service contracts; retrofits; training; service and maintenance; NetService