

M-SYNOX BF

Precoat candle filter



The smart candle filter for precoat filtration

- Compact design
- Easy handling
- High flexibility

Characteristics

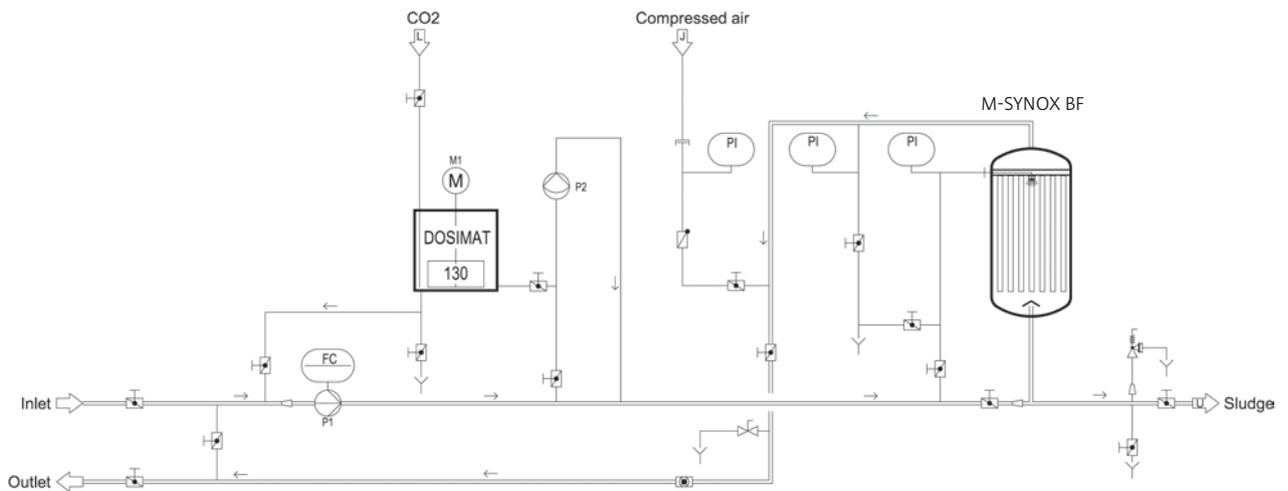
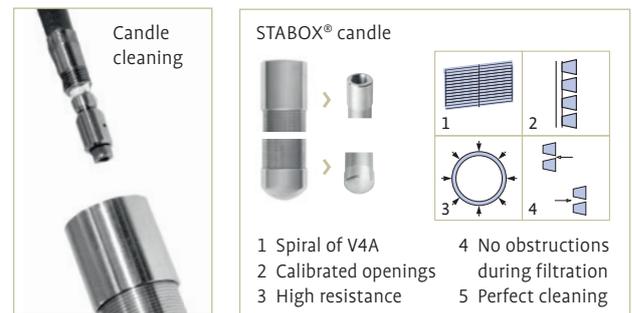
The M-SYNOX BF is the advanced version of the former Secu-jet candle filter but with hanging candles from a top plate. The design of the filter and the usage of the same STABOX candles (25 mm diameter) make it the small version of the large SYNOX® filters.

Applications

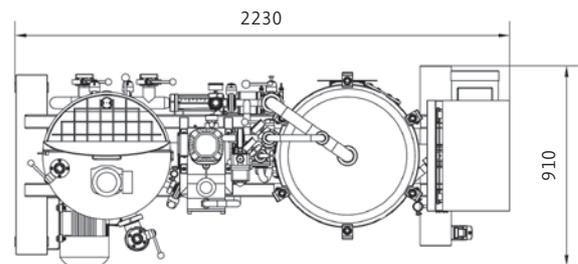
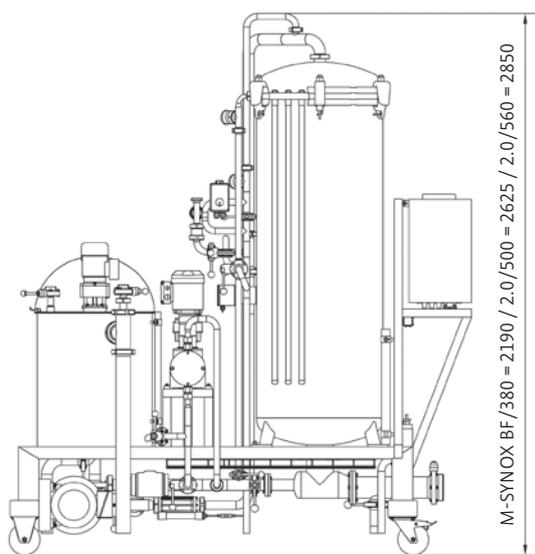
The M-SYNOX BF was developed with the focus on the rising amount of small Craft-Breweries worldwide and their increasing demand for filtered beer. But also for any other beverage to be filtered with filter aid like diatomaceous earth this filter will be a reliable solution.

Advantages

- compact skid mounted design
- movable with wheels
- low water and energy consumption
- long service life due to high quality design
- very little maintenance required, no moving parts inside
- efficient cleaning device inside the vessel
- dosing pump separately mounted on the skid for easy maintenance



Type	M-SYNOX BF /380	M-SYNOX BF /500	M-SYNOX BF /560
Operating pressure / bar	0–6	0–6	0–6
Operating temperature / °C	0–100	0–100	0–100
Max. flow rate / hl/h	32	47	55
Min. flow rate / hl/h	16	23	27
Sludge volume / ltr	141	201	226
Filter area / m ²	6.4	9.4	11.0
Number of candles / pcs	60	60	60
Candle length / mm	945	1381	1603
Total DE capacity / kg	41.3	59.2	66.5
Precoat charge DE / kg	7.7	11.3	13.2
Body feed charge DE / kg	33.7	48.0	53.4
Volume of dosing tank / ltr	130	130	130
Performance of dosing pump / kW	0.75	0.75	0.75
Dosing flow rate / ltr/h	16–160	16–160	16–160
Performance of process pump / kW	5.5	5.5	5.5
Weight of complete unit (empty) / kg	780	840	880
Weight of complete unit (operating) / kg	1300	1480	1580



All dimensions in mm.

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Let's be clear!

Bucher Unipektin, Competence Center Filtration, is the world leading manufacturer of complete filtration solutions for the beverage industries. Our outstanding candle and horizontal leaf filters for the pre-coat filtration with kieselguhr and PVPP are the benchmark for the filtration of beer, sugar syrup, tea, gelatine and other liquid foods. We also develop and manufacture beer-recovery systems with ceramic membranes, crossflow membrane systems for beer main stream filtration, sterile filter systems with membrane cartridges and vacuum-distillation plants for de-alcoholisation.

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