

Cricketfilter SBCF

Cheese salting bath conditioning

1. Introduction

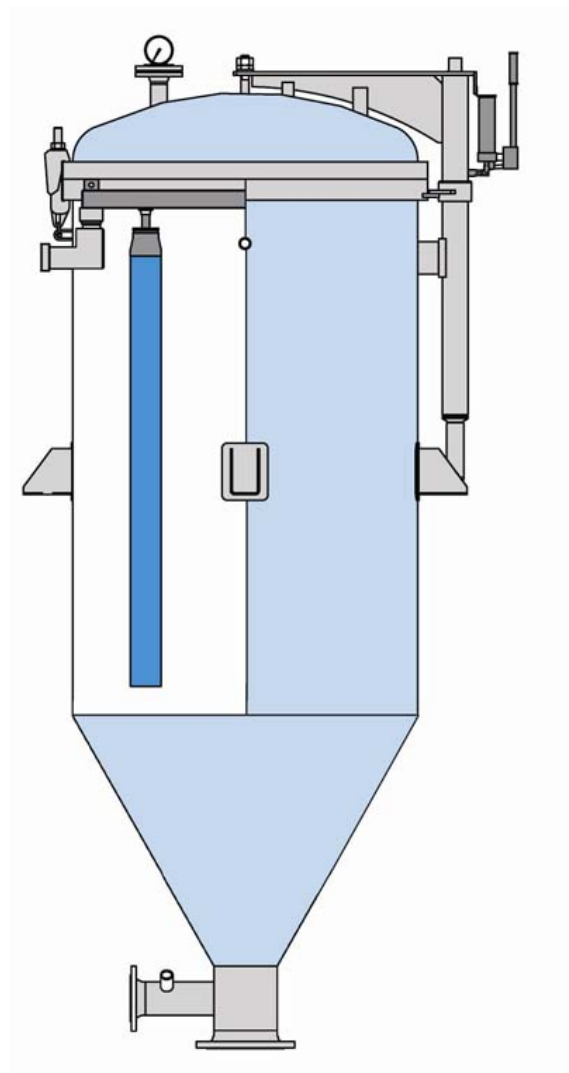
The SBCF is a special Cricketfilter® for conditioning of salting baths in cheese production. The Cricketfilter® is a pressure filter with a large specific filtration area due to the shape of the filter elements. The Cricketfilter® is unique because of its patented filter elements, which allow discharge of the filter cake by back pulsing.

The SBCF Cricketfilter® was introduced successfully into the dairy industry ten years ago. This filter can be used with hard and semi-hard cheese.

The SBCF Cricketfilter® is set up by-pass to the circulation pipe of the salting bath, removing large quantities of yeasts, bacteria and other solids.

The cleaned salting bath offers both higher microbiological stability for improved product quality and better kinetics for salt absorption.

During filtration the SBCF Cricketfilter® is first precoated with a suitable filter aid. This precoat acts as depth filter medium to remove contamination while maintaining a high filtration capacity during a long cycle time. After filtration the filter is backpulsed and the cake slurry is discharged through a bottom valve.



2. System advantages Cricketfilter®

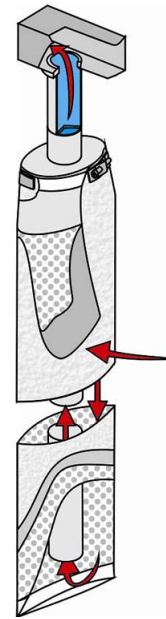
The Cricketfilter® is a closed filtration system and can be fully automated. This filter produces a high filtrate clarity. Elements are mounted on internal filtrate manifolds. Cake release by backpulsing with air is done for manifolds individually, which results in an effective backpulse. During the short regeneration time the filter medium is cleaned intensively. The filter is equipped with a water sluice connection on top of the cover for improved cake removal.

The filter connections are in DIN 11851-SC (dairy standard).

The filter element spacing and the filter cloth are selected to suit the filtration needs of the application. The filters are as standard equipped with a cover lift assembly. The Cricketfilter® itself has no rotating parts, keeping maintenance to a minimum.

3. Standard design data

Material tank	: stainless steel 1.4571
Material filter elements	: stainless steel 1.4571
Design pressure	: -1 / 6 bar(g)
Design temperature	: -10 / 150 °C (depending on filter cloth)
Design	: AD-2000 and others on request
Approval	: PED 97/23/EC SELO 02257 (China) GOST R (Russia) and others upon request



4. Specifications

Models	Filter area [m²]	Element length [mm]	Element spacing [mm]	Cake volume [dm³]	Filter volume [m³]	Feed/ Drain	Filtrate outlet	Vent	Water sluice	Slurry discharge
406SBCF-3.8/1500-58	3.8	1500	57.5	50	0.25	50	2 x 50	25	25	50
610SBCF-9.3/1500-58	9.3	1500	57.5	120	0.6	80	3 x 50	50	25	80
800SBCF-16/1500-58	16	1500	57.5	210	1.1	80	3 x 50	50	25	100
1000SBCF-27/1500-58	27	1500	57.5	350	1.8	100	4 x 50	65	25	150*
1200SBCF-42/1500-58	42	1500	57.5	540	2.8	125	4 x 50	80	25	200*
<i>Other sizes and models upon request</i>						DIN11851-SC (*EN1092-1)				

Notes: Dimensions are for reference only. Subject to technical alteration without prior notice.

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