

Cricketfilter®

FOR DRY CAKE DISCHARGE

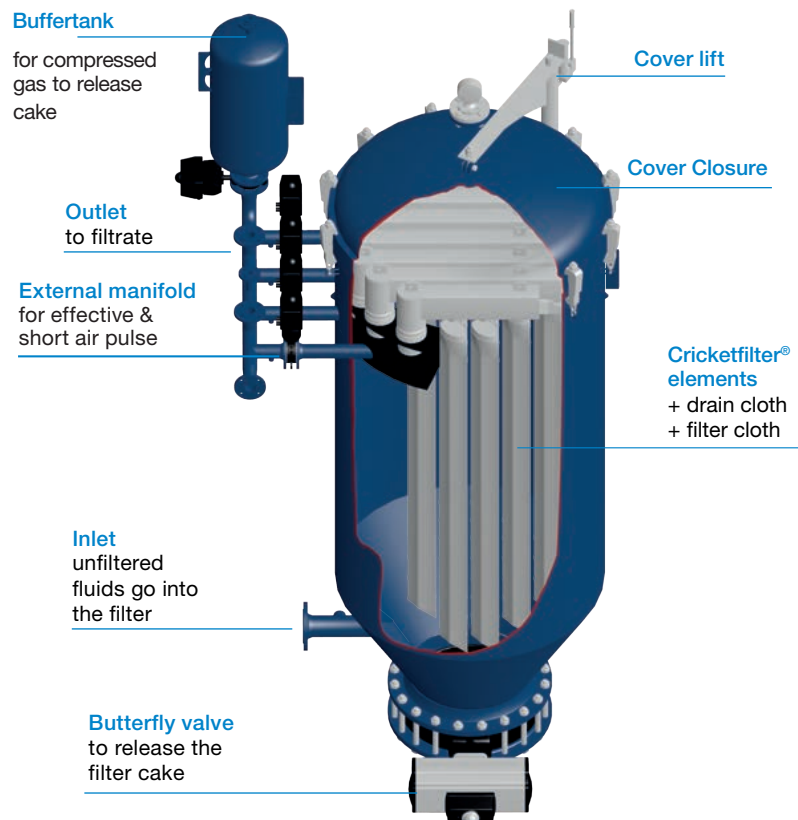
The Cricketfilter® was successfully launched in 1990 and has since been installed in over 1,000 industrial and food applications globally. It has become a well-established pressure filter, developed to combine the advantages of pressure leaf filters and cartridge/candle filters whilst avoiding their drawbacks.

The Cricketfilter® is especially suited for separating fine solids from fluids, widely deployed in applications such as edible oil, gelatine, cocoa butter, sugar, sweeteners, oleo chemicals, mining and amine cleaning. The Cricketfilter® offers versatility for a wide range of applications while providing confidence in critical environments.

It is available as a standard in stainless steel 316L. Carbon steel and other special alloy materials, design pressures/temperatures and design codes can be provided upon request. For the discharge of the cake, the carriage with the filter leaves is moved outside the filter tank with either an electric or a hydraulic system, which also operates the bayonet closure. The cake is then discharged by a pneumatic vibrator.

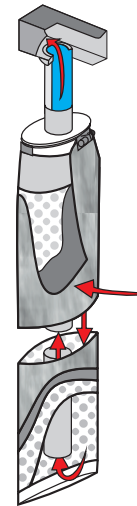
FEATURES AND BENEFITS

- Up to 40% larger filtration area than traditional pulse tube filter systems
- Large filtration area within a small footprint
- Hermetically closed system and can be fully automated
- Suitable for direct cloth filtration or precoat/body-aid filtration
- High filtrate quality
- The Cricketfilter® is simple to clean. It uses air or gas pulses for cleaning the elements section by section, without requiring a vibrator
- Low maintenance
- Suitable for a wide range of applications
- The Cricketfilter® can be used with filter cloths of various pore sizes and materials. This reduces and at times eliminates the amount of extrapre-coating needed, making filtration more economical.
- Cricketfilter® automation. It is possible to automate, therefore ensuring low necessary maintenance.



STANDARD DESIGN DATA

Criteria	Detail
Tank Material	Stainless Steel, others upon request.
Filter Elements Material	Stainless Steel
Design Pressure	-1/6 bar(g)
Desing Temperature	-10/150 °C (depending on filter cloth)
Max. allowable pressure drop	4.5 bar
Design Approval	ASME VIII Div. 1, others upon request PED 2014/68/EU, SELO 02257 (China) , TR CU (EACU), U Stamp



SPECIFICATIONS

Model	Filter area	Element length	Element spacing	Cake volume	Filter volume	Feed / Drain	Filtrate outlet	Vent	Cake discharge
	m ²	mm	mm	dm ³	dm ³	DN	DN	DN	DN
SMALL ELEMENT SPACING									
800D-8.1/1000-70	8.1	1000	70	110	850	50	3x50	65	400
800D-12/1500-70	12	1500	70	160	1100	50	3x50	65	400
1000D-21/1500-70	21	1500	70	270	1790	65	4x65	65	500
1200D-32/1500-70	32	1500	70	410	2670	80	4x65	65	500
1200D-27/1500-80	27	1500	80	380	2670	80	3x100	100	500
1400D-40/1500-80	40	1500	80	560	3790	100	5x100	100	600
1600D-54/1500-80	54	1500	80	760	5200	100	5x150	100	600
1800D-62/1500-90	62	1500	90	1060	7010	150	5x150	150	600
2000D-78/1500-90	78	1500	90	1320	8870	150	6x150	150	600
MEDIUM ELEMENT SPACING									
800D-5.8/1000-100	5.8	1000	100	135	850	50	2x50	50	400
800D-8.6/1500-100	8.6	1500	100	200	1100	50	2x50	50	400
1000D-15/1500-100	15	1500	100	345	1790	50	3x50	65	500
1200D-23/1500-100	23	1500	100	530	2670	80	4x65	65	500
1200D-18/1500-110	18	1500	110	440	2670	80	2x100	80	500
1400D-28/1500-110	28	1500	110	680	3790	100	4x100	100	600
1600D-39/1500-110	39	1500	110	930	5200	100	5x150	150	600
1800D-53/1500-110	53	1500	110	1270	7010	150	5x150	150	600
2000D-64/1500-110	64	1500	110	1540	8870	150	5x150	150	600
2200D-82/1500-100	82	1500	100	1720	11600	150	6x150	150	600
2400D-98/1500-100	98	1500	100	2060	13600	150	8x150	150	600

Other models available upon request.

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

