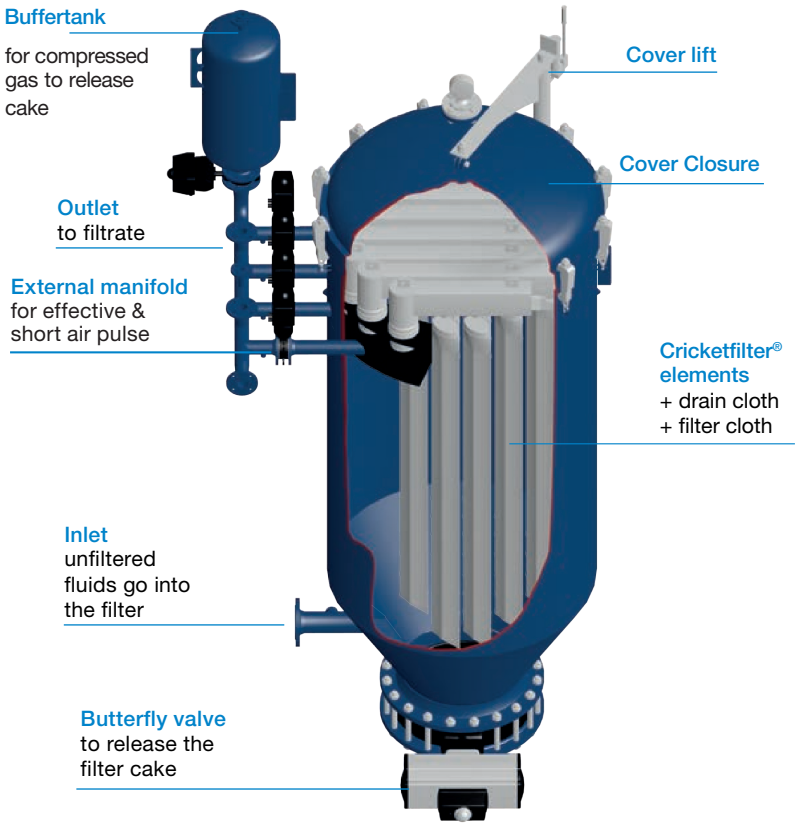
Cricketfilter®

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.

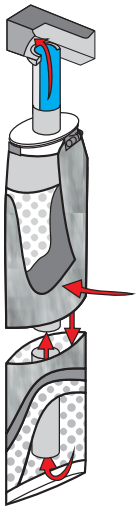


FEATURES AND BENEFITS

- 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 ºC (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
	m²	mm	mm	dm³	dm³	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.