

Cricketfilter®

FOR WET CAKE DISCHARGE

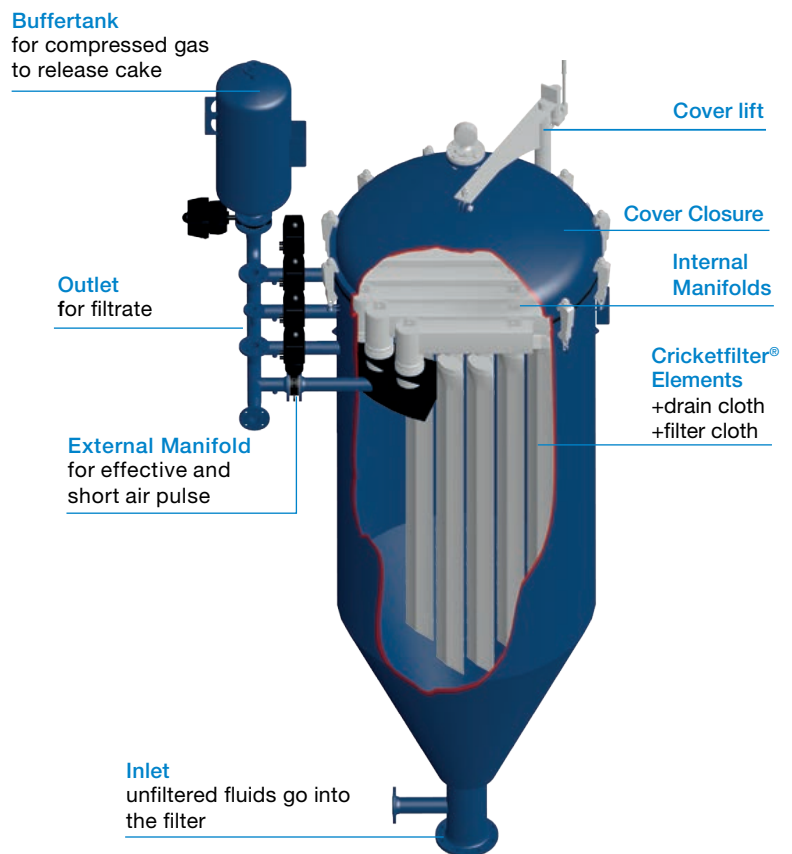
The Cricketfilter® was successfully launched in 1990 and has since been installed in over 1,000 industrial and food applications globally. It has become a well-established pressure filter, developed to combine the advantages of pressure leaf filters and cartridge/candle filters whilst avoiding their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

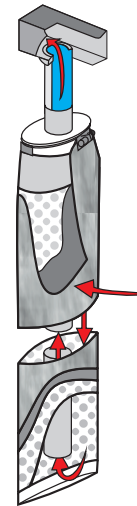
FEATURES AND BENEFITS

- 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	Inlet / Outlet	Filtrate outlet	Vent	Cake discharge
	m ²	mm	mm	dm ³	dm ³	DN	DN	DN	DN
SMALL ELEMENT SPACING									
800W-11/1000-58	11	1000	58.0	140	870	50	2x50	65	100
800W-16/1500-58	16	1500	58.0	210	1110	50	2x50	65	100
1000W-27/1500-58	27	1500	58.0	350	1810	65	4x50	65	150
1200W-42/1500-58	42	1500	58.0	540	2750	100	4x50	65	200
1200W-35/1500-68	35	1500	67.5	520	2750	100	4x50	100	200
1200W-58/2500-68	58	2500	67.5	870	3870	100	5x80	100	200
1400W-78/2500-68	78	2500	67.5	1170	5420	150	5x80	100	200
1600W-108/2500-68	108	2500	67.5	1610	7280	150	6x80	150	250
1800W-139/2500-68	139	2500	67.5	2090	9400	150	6x100	150	250
2000W-180/2500-68	180	2500	67.5	2710	11900	200	7x100	150	300
2200W-222/2500-68	222	2500	67.5	3340	14720	200	9x100	150	300
2400W-272/2500-68	272	2500	67.5	4080	17920	200	9x100	150	200
MEDIUM ELEMENT SPACING									
800W-7.4/1000-80	7.4	1000	80	150	870	50	2x50	50	100
800W-11/1500-80	11.0	1500	80	220	1110	50	2x50	50	100
1000W-19/1500-80	19.0	1500	80	370	1810	65	3x50	65	150
1200W-26/1500-90	26.0	1500	90	580	2750	100	3x65	80	200
1200W-44/2500-90	44.0	1500	90	960	3870	100	3x65	80	200
1400W-62/2500-90	62.0	2500	90	1370	5420	100	4x65	100	200
1600W-81/2500-90	81.0	2500	90	1770	7280	150	5x80	100	200
1800W-105/2500-90	105.0	2500	90	2310	9400	150	5x100	150	250
2000W-137/2500-90	137.0	2500	90	3020	11900	150	6x100	150	250
2200W-169/2500-90	169.0	2500	90	3720	14720	200	7x100	150	300
2400W-208/2500-90	208.0	2500	90	4580	17920	200	8x100	150	300
LARGE ELEMENT SPACING									
1200W-22/1500-110	22	1500	110	640	2750	80	3x65	80	200
1200W-37/2500-110	37	2500	110	1070	3870	80	3x65	80	200
1400W-29/1500-110	29	1500	110	850	5420	100	3x65	100	200
1400W-49/2500-110	49	2500	110	1420	5420	100	3x65	100	200
1600W-69/2500-110	69	2500	110	2000	7280	150	4x80	100	250
1800W-90/2500-110	90	2500	110	2610	9400	150	5x100	150	250
2000W-109/2500-110	109	2500	110	3170	11900	150	5x100	150	300
2200W-138/2500-110	138	2500	110	4010	14720	150	7x100	150	300
2400W-170-2500/110	170	2500	110	4920	17920	200	7x100	150	300

Other models available upon request.

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

