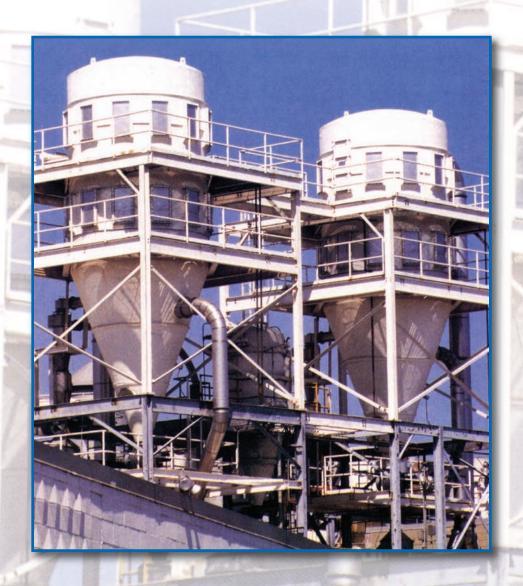


A Met-Pro Product Recovery/Pollution Control Technologies Business



Flex-Kleen® CT Series Pulse-Jet Dust Collectors

For high pressure/high vacuum applications



CT (Circular Tank) COLLECTORS... especially effective for dusting problems in drying, grinding and conveying systems

Experience

The CT Series is one of the highlyefficient lines of dust control equipment manufactured by Flex-Kleen Corporation. As specialists in the field of particulate collection, Flex-Kleen has been helping customers solve pollution and process applications problems for over 40 years. With over 100,000 installations on virtually every type of dust generating application we're certain to have an efficient and cost-effective solution for your situation.

Design Features

All F-K collectors are designed to operate in process system environments with minimum attention and maintenance. Standard CT units are designed for two levels of pressure capability of 40" to 100" W.G. or 17" Hg.(pressure or vacuum). Individual units can handle from 50 cfm to 40,000 cfm; multiple collector systems can be supplied to handle any desired gas volume. CT collectors can also be furnished for high pressure applications (over 15 psig), per Section VIII of the ASME Pressure Vessel Code, or for extremely low vacuum requirements.

Easy bag replacement – top bag removal models can be maintained from the clean air plenum; no tools are required to remove and replace the filter bags. Quick-release bag clamps are available as an option on bottom bag removal models as well, to eliminate the need for tools.

Easy installation - most CT collectors are shipped in one piece to minimize erection expenses; bags, cages, air header assembly, timer, and gauges are shipped separately to protect against damage in transit.

Minimum maintenance – No moving parts are located inside the collector; the pulsing timer and valves are all easily accessible for routine inspection.

Simple control – the Astro-Flex solid state timer is fully adjustable for both pulse duration and interval, assuring smooth process operation and maximum bag life.

The optional Smart TimerTM and Smart Timer IITM – are the next generation of intelligent dust collector timers providing many of the same features usually found in more costly and complex control panels.

Arrangements

CT Units can be purchased in any of three configurations:

ARR I – Clean air plenum (CAP) and bag cleaning system, flanged at the tubesheet for mounting on customer's equipment.

ARR II – Clean air plenum, bag cleaning system and dusty air plenum (DAP), flanged for mounting on user's equipment.

ARR III – Clean air plenum, bag cleaning system, dusty air plenum, and dust hopper with air inlet and flanged material discharge. Unit functions as a complete dust collector.

Advantages

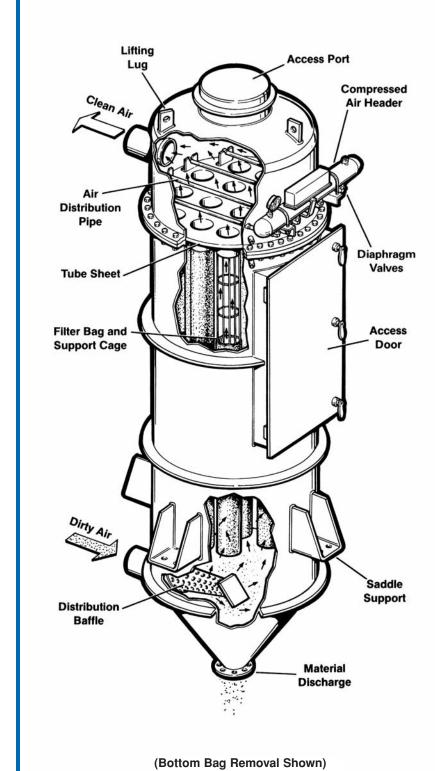
- Inlet baffle to protect bags from abrasive dusts.
- Dusty air inlet and clean air out let easily oriented to meet user requirements.
- Quick access door(s) to dusty and clean sides of the collector on negative pressure units.
- Bolted door(s) to dusty and clean sides of the collector for positive pressure units.
- External compressed air reservoir. (Shipped complete, with prewired solenoid valves, ready to mount.)
- ◆ A wide variety of bag materials to suit specific needs.

- Flush tubesheet in the clean air plenum.
- Solid-state adjustable sequencing timer in standard dust-tight housing.
- Saddle supports located to match user's support steel.

Options

- Top bag removal with removable head or walk-in plenum.
- Stainless steel or epoxy coated bag cages.
- Quick release bag clamps.
- Pressure differential switch to signal a rise in pressure drop.
- Explosion proof electrical components.
- Support legs and access platforms.
- High temperature alarm systems.
- ◆ Flanged dust inlet and outlet.
- ◆ 70° hoppers (standard is 60°).
- Hopper vibrator pads and vibrators.
- Tangential inlet with cyclone ring.
- Explosion relief vents/rupture discs.
- Static electricity grounding systems.
- ◆ Interior safety grids.
- ◆ Fan support platforms.
- Abrasion-resistant wear plates.
- Bag-free interior walkway for servicing.
- Aluminum or special alloy construction throughout.
- ◆ FRP construction.
- Heat tracing.
- ◆ Factory installed insulation

CT Series Highlights



Operation

All Flex-Kleen pulse-jet collectors operate in essentially the same manner. Dust laden air enters the dirty air plenum, hopper, or silo (Arr. 1 only); heavier dust particles drop out. The air carrying the remaining dust particles passes up and around the bag surfaces. As the air passes through the bags to the inside, the dust particles are captured on the bag surface and in the bag material. The clean air passes up the inside of the bags, thru the Venturis, into the clean air plenum and is subsequently vented to the atmosphere or returned to the process.

On-Line Cleaning

A burst of compressed air is used to clean a portion of the filter bags while the remainder of the bags continue in operation.

At preselected intervals a diaphragm valve opens, flooding one of the air distribution pipes above the bags with compressed air from the supply header. Holes in the bottom of each distribution pipe direct the compressed air pulse into a venturi located in the top of the bag; this momentarily interrupts the process air flow through the bags and aspirates filtered air from the clean air plenum back into the bags, assisting in the cleaning process.

CT Series Highlights Ordering Information

Select from a wide range of collector models and designs it's easy to find a collector that's ideal for your application.

CTB Models

The basic CT unit with bottom bag removal.

CTT Models

Top bag removal with removable head.

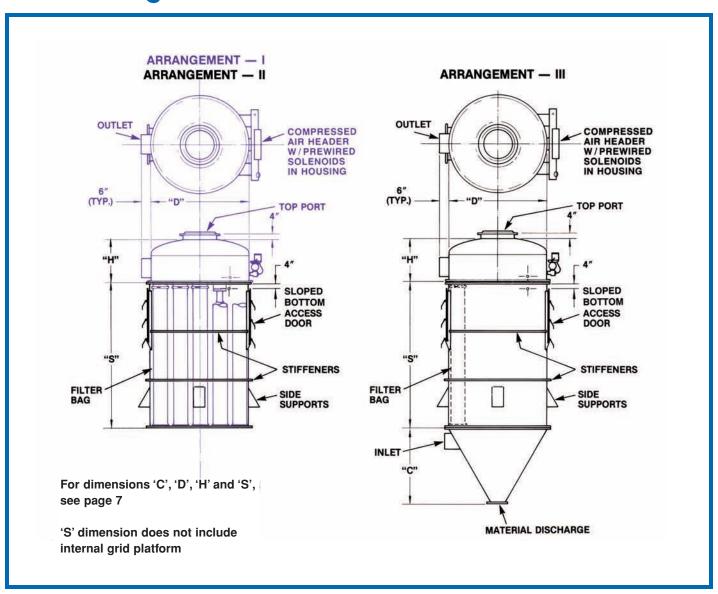
CTW Models

Top bag removal with walk-in clean air plenum.

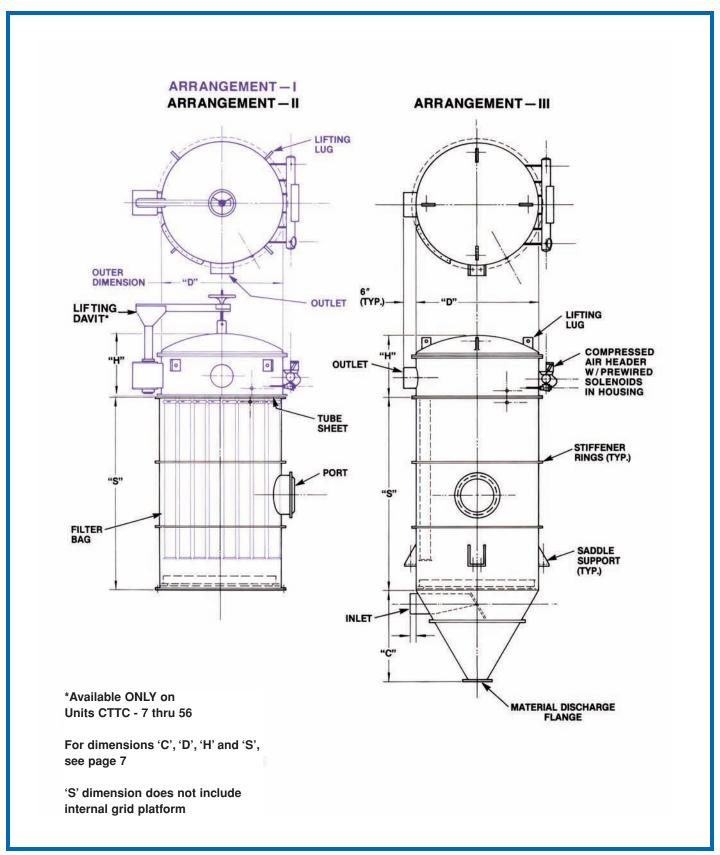
Special Designs

Any of the models described above can be furnished in all stainless steel, special alloy, FRP, or sanitary construction, or for ASME code pressure vessel service (or other high positive/negative pressure situations).

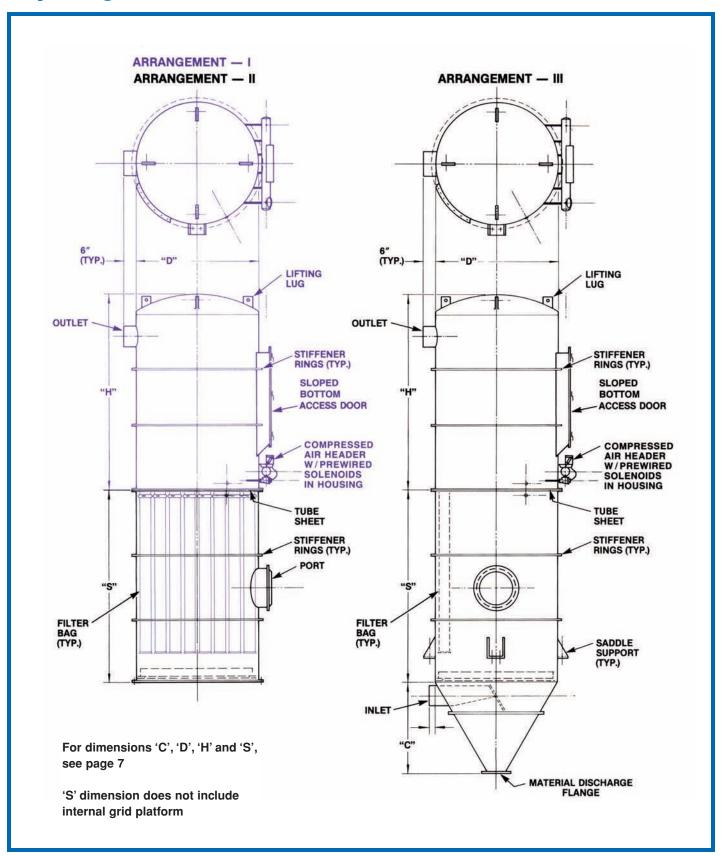
CTB Models Bottom Bag Removal



CTT Models Top Bag Removal with Removable Head



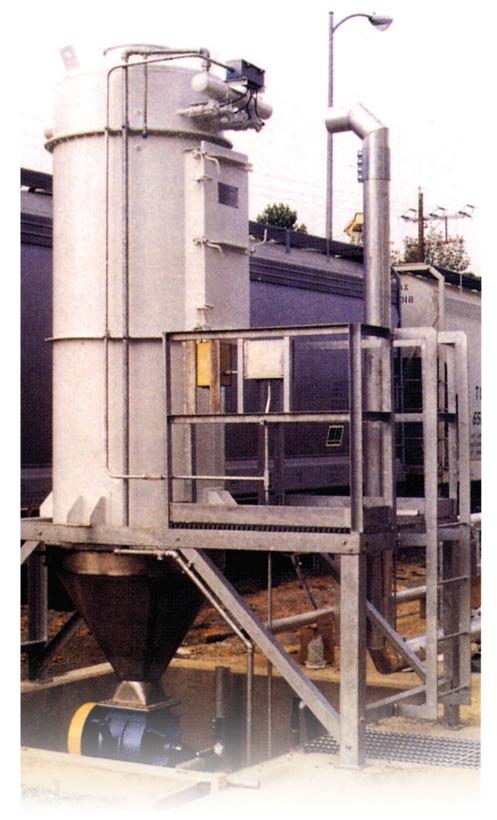
CTW Models Top Bag Removal with Walk-In Plenum



CT Series Dimensions

CTB Model No.	Filter Area (Sq. Ft.)	Comp. Air Req'd (SCFM)	"D"	"H"	"S"	"C"
36-CTB-8	34	6.0	2' 6"	1' 9"	3' 5"	1' 7"
58-CTB-8	58	6.0	2' 6"	1' 9"	5' 3"	1' 7"
84-CTB-8	85	6.0	2' 6"	1' 9"	7' 5"	1' 7"
100-CTB-8	102	6.0	2' 6"	1' 9"	8' 9"	1' 7"
36-CTB-14	60	6.0	3' 0"	2' 0"	3' 5"	2' 0"
58-CTB-14	101	6.0	3' 0"	2' 0"	5' 3"	2' 0"
84-CTB-14	148	6.0	3' 0"	2' 0"	7' 5"	2' 0"
100-CTB-14	178	6.0	3' 0"	2' 0"	8' 9"	2' 0"
36-CTB-18	<i>77</i>	6.0	3' 6"	2' 2"	3' 5"	2' 5"
58-CTB-18	130	6.0	3' 6"	2' 2"	5' 3"	2' 5"
84-CTB-18	191	6.0	3' 6"	2' 2"	7' 5"	2' 5"
100-CTB-18	229	6.0	3' 6"	2' 2"	8' 9"	2' 5"
58-CTB-24	173	7.5	4' 0"	2' 4"	5' 3"	2' 11"
84-CTB-24	254	7.5	4' 0"	2' 4"	7' 5"	2' 11"
100-CTB-24	305	7.5	4' 0"	2' 4"	8' 9"	2' 11"
58-CTB-32	230	7.5	4' 6"	2' 6"	5' 3"	3' 4"
84-CTB-32	339	7.5	4' 6"	2' 6"	7' 5"	3' 4"
100-CTB-32	406	7.5	4' 6"	2' 6"	8' 9"	3' 4"
58-CTB-42	302	7.5	5' 0"	2' 8"	5' 3"	3' 9"
84-CTB-42	445	7.5	5' 0"	2' 8"	7' 5"	3' 9"
100-CTB-42	533	7.5	5' 0"	2' 8"	8' 9"	3' 9"
58-CTB-54	389	7.5	5' 6"	2' 9"	5' 3"	4' 2"
84-CTB-54	572	7.5	5' 6"	2' 9"	7' 5"	4' 2"
100-CTB-54	686	7.5	5' 6"	2' 9"	8' 9"	4' 2"
58-CTB-62	446	18.0	6' 0"	2' 11"	5' 3"	4' 8"
84-CTB-62	657	18.0	6' 0"	2' 11"	7' 5"	4' 8"
100-CTB-62	787	18.0	6' 0"	2' 11"	8' 9"	4' 8"
58-CTB-72 84-CTB-72	518	18.0	6' 6" 6' 6"	3' 1"	5' 3" 7' 5"	5' 1"
100-CTB-72	763 914	18.0 18.0	6' 6"	3' 1" 3' 1"	8' 9"	5' 1" 5' 1"
58-CTB-84	605	18.0	7' 0"	3' 1"	5' 3"	5' 6"
84-CTB-84	890	18.0	7' 0"	3' 1"	7' 5"	5' 6"
100-CTB-84	1067	18.0	7' 0"	3' 1"	8' 9"	5' 6"
58-CTB-106	763	36.0	7' 6"	3' 2"	5' 3"	5' 11"
84-CTB-106	1124	36.0	7' 6"	3' 2"	7' 5"	5' 11"
100-CTB-106	1,346	36.0	7' 6"	3' 2"	8' 9"	5' 11"
58-CTB-121	871	36.0	8' 0"	3' 3"	5' 3"	6' 4"
84-CTB-121	1283	36.0	8' 0"	3' 3"	7' 5"	6' 4"
100-CTB-121	1537	36.0	8' 0"	3' 3"	8' 9"	6' 4"
84-CTB-134	1420	70.0	8' 6"	3' 4"	7' 5"	6' 9"
100-CTB-134	1702	70.0	8' 6"	3' 4"	8' 9"	6' 9"
120-CTB-134	2050 1590	70.0	8' 6" 9' 0"	3' 4" 3' 5"	10' 5" 7' 5"	6' 9" 7' 2"
84-CTB-150 100-CTB-150	1905	70.0 70.0	9' 0"	3' 5" 3' 5"	8' 9"	7' 2"
120-CTB-150	2295	70.0	9' 0"	3' 5"	10' 5"	7' 2"
84-CTB-176	1866	70.0	9' 6"	3' 6"	7' 5"	7' 8"
100-CTB-176	2235	70.0	9' 6"	3' 6"	8' 9"	7' 8"
120-CTB-176	2693	70.0	9' 6"	3' 6"	10' 5"	7' 8"
84-CTB-188	1993	70.0	10' 0"	3' 7"	7' 5"	8' 1"
100-CTB-188	2388	70.0	10' 0"	3' 7"	8' 9"	8' 1"
120-CTB-188	2876	70.0	10' 0"	3' 7"	10' 5"	8' 1"
84-CTB-216	2290	70.0	10' 6"	3' 8"	7' 5"	8' 6"
100-CTB-216	2743	70.0	10' 6"	3' 8"	8' 9"	8' 6"
120-CTB-216	3305	70.0	10' 6"	3' 8"	10' 5"	8' 6"
84-CTB-232	2459	70.0	11'0"	3' 9"	7' 5"	9' 0"
100-CTB-232	2946	70.0	11' 0"	3' 9"	8' 9"	9' 0"
120-CTB-232	3550	70.0	11' 0"	3' 9"	10' 5"	9' 0"
84-CTB-250	2650	70.0	11' 6"	3' 10"	7' 5"	9' 5"
100-CTB-250	31 <i>75</i>	70.0	11' 6"	3' 10"	8' 9"	9' 5"
120-CTB-250	3825	70.0	11' 6"	3' 10"	10' 5"	9' 5"
84-CTB-274	2904	70.0	12' 0"	3' 11"	7' 5"	9' 9"
100-CTB-274	3480	70.0	12' 0"	3' 11"	8' 9"	9' 9"
120-CTB-274	4192	70.0	12' 0"	3' 11"	10' 5"	9' 9"
СТТ	Filter Area	Comp. Air Reg'd (SCFM)				
Model No.	(Sq. Ft.)		"D"	"H"	"S"	"C"
36-CTT-7	30	5.0	2' 6"	2' 2"	3' 5"	1' 7"
58-CTT-7	50	5.0	2' 6"	2' 2"	5' 3"	1' 7"
84-CTT-7	74	5.0	2' 6"	2' 2"	7' 5"	1' 7"
100-CTT-7	89	5.0	2' 6"	2' 2"	8' 9"	1' 7"
36-CTT-9	39	5.8	3' 0"		3' 5"	2' 0"
58-CTT-9	65	5.8	3' 0"	2' 3"	5' 3"	2' 0"
84-CTT-9	95	5.8	3' 0"	2' 3"	7' 5"	2' 0"
100-CTT-9	114	5.8	3' 0"		8' 9"	2' 0"
36-CTT-14	60	6.5	3' 6"	2' 4"	3' 5"	2' 5"
58-CTT-14	101	6.5	3' 6"	2' 4"	5' 3"	2' 5"
84-CTT-14	148	6.5	3' 6"	2' 4"	7' 5"	2' 5"
100-CTT-14	178	6.5	3' 6"	2' 4"	8' 9"	2' 5"
36-CTT-23	99	7.0	4' 0"		3' 5"	2' 11"
58-CTT-23	166	7.0	4' 0"	2' 5"	5' 3"	2' 11"
84-CTT-23	244	7.0	4' 0"	2' 5"	7' 5"	2' 11"
100-CTT-23	292	7.0	4' 0"	2' 5"	8' 9"	2' 11"
36-CTT-32	138	7.8	4' 6"	2' 6"	3' 5"	3' 4"
58-CTT-32	230	7.8	4' 6"	2' 6"	5' 3"	3' 4"
84-CTT-32	339	7.8	4' 6"	2' 6"	7' 5"	3' 4"
100-CTT-32	406	7.8	4' 6"	2' 6"	8' 9"	3' 4"
36-CTT-41	176	8.5	5' 0"	2' 7"	3' 5"	3' 9"
58-CTT-41	295	8.5	5' 0"	2' 7"	5' 3"	3' 9"
84-CTT-41	435	8.5	5' 0"	2' 7"	7' 5"	3' 9"
100-CTT-41	521	8.5	5' 0"	2' 7"	8' 9"	3' 9"
		0			- /	

CTT Model No.	Filter Area (Sq. Ft.)	Comp. Air Req'd (SCFM)	"D"	"H"	"S"	"C"
36-CTT-50	215	9.5	5' 6"	2' 7"	3' 5"	4' 2"
58-CTT-50	360	9.5	5' 6"	2' 7"	5' 3"	4' 2"
84-CTT-50	530	9.5	5' 6"	2' 7"	7' 5"	4' 2"
100-CTT-50 36-CTT-56 58-CTT-56 84-CTT-56	635 241 403 594	9.5 11.1 11.0 11.0	5' 6" 6' 0" 6' 0"	2' 7" 2' 8" 2' 8" 2' 8"	8' 9" 3' 5" 5' 3" 7' 5"	4' 2" 4' 8" 4' 8" 4' 8"
100-CTT-56	711	11.0	6' 0"	2' 8"	8' 9"	4' 8"
58-CTT-70	504	11.5	6' 6"	3' 2"	5' 3"	5' 1"
84-CTT-70	742	11.5	6' 6"	3' 2"	7' 5"	5' 1"
100-CTT-70	889	11.5	6' 6"	3' 2"	8' 9"	5' 1"
120-CTT-70	1071	21.0	6' 6"	3' 2"	10' 5"	5' 1"
58-CTT-82	590	13.5	7' 0"	3' 3"	5' 3"	5' 6"
84-CTT-82	869	13.5	7' 0"	3' 3"	7' 5"	5' 6"
100-CTT-82	1041	13.5	7' 0"	3' 3"	8' 9"	5' 6"
120-CTT-82	1255	24.5	7' 0"	3' 3"	10' 5"	5' 6"
58-CTT-97	698	21.0	7' 6"	3' 4"	5' 3"	5' 11"
84-CTT-97	1028	21.0	7' 6"	3' 4"	7' 5"	5' 11"
100-CTT-97	1232	21.0	7' 6"	3' 4"	8' 9"	5' 11"
120-CTT-97	1484	42.0	7' 6"	3' 4"	10' 5"	5' 11"
58-CTT-110	792	24.0	8' 0"	3' 5"	5' 3"	6' 4"
84-CTT-110	1166	24.0	8' 0"	3' 5"	7' 5"	6' 4"
100-CTT-110	1399	24.0	8' 0"	3' 5"	8' 9"	6' 4"
120-CTT-110	1683	42.0	8' 0"	3' 5"	10' 5"	6' 4"
58-CTT-127	914	30.0	8' 6"	3' 6"	5' 3"	6' 9"
84-CTT-127	1346	30.0	8' 6"	3' 6"	7' 5"	6' 9"
100-CTT-127	1613	30.0	8' 6"	3' 6"	8' 9"	6' 9"
120-CTT-127	1943	42.0	8' 6"	3' 6"	10' 5"	6' 9"
84-CTT-141	1497	42.0	9' 0"	3' 11"	7' 5"	7' 2"
100-CTT-141	1191	42.0	9' 0"	3' 11"	8' 9"	7' 2"
120-CTT-141	2157	42.0	9' 0"	3' 11"	10' 5"	7' 2"
84-CTT-158	1675	42.0	9' 6"	4' 0"	7' 5"	7' 8"
100-CTT-158	2007	42.0	9' 6"	4' 0"	8' 9"	7' 8"
120-CTT-158	2417	42.0	9' 6"	4' 0"	10' 5"	7' 8"
84-CTT-179	1897	42.0	10' 0"	4' 1"	7' 5"	8' 1"
100-CTT-179	2273	42.0	10' 0"	4' 1"	8' 9"	8' 1"
120-CTT-179	2739	42.0	10' 0"	4' 1"	10' 5"	8' 1"
84-CTT-198	2099	42.0	10' 6"	4' 1"	7' 5"	8' 6"
100-CTT-198	2515	42.0	10' 6"	4' 1"	8' 9"	8' 6"
120-CTT-198	3029	42.0	10' 6"	4' 1"	10' 5"	8' 6"
84-CTT-214	2268	42.0	11' 0"	4' 3"	7' 5"	9' 0"
100-CTT-214	2718	42.0	11' 0"	4' 3"	8' 9"	9' 0"
120-CTT-214	3274	42.0	11' 0"	4' 3"	10' 5"	9' 0"
84-CTT-238	2523	42.0	11' 6"	4' 4"	7' 5"	9' 5"
100-CTT-238	2718	42.0	11' 6"	4' 4"	8' 9"	9' 5"
120-CTT-238	3641	42.0	11' 6"	4' 4"	10' 5"	9' 5"
84-CTT-260	2756	42.0	12' 0"	4' 5"	7' 5"	9' 9"
100-CTT-260	2302	42.0	12' 0"	4' 5"	8' 9"	9' 9"
120-CTT-260	3978	42.0	12' 0"	4' 5"	10' 5"	9' 9"
CTW Model No.	Filter Area (Sq. Ft.)	Comp. Air Req'd (SCFM)	"D"	"H"	"S"	"C"
84-CTW-41	435	8.5	5' 0"	8' 1"	7' 5"	3' 9"
100-CTW-41	521	8.5	5' 0"	9' 5"	8' 9"	3' 9"
84-CTW-50	530	9.5	5' 6"	8' 1"	7' 5"	4' 2"
100-CTW-50	635	9.5	5' 6"	9' 5"	8' 9"	4' 2"
84-CTW-56	594	11.0	6' 0"	8' 1"	7' 5"	4' 8"
100-CTW-56	711	11.0	6' 0"	9' 5"	8' 9"	4' 8"
84-CTW-70	742	11.5	6' 6"	8' 1"	7' 5"	5' 1"
100-CTW-70	889	11.5	6' 6"	9' 5"	8' 9"	5' 1"
84-CTW-82	869	13.5	7' 0"	8' 1"	7' 5"	5' 6"
100-CTW-82	1041	13.5	7' 0"	9' 5"	8' 9"	5' 6"
84-CTW-97	1028 1232	21.0	7' 6" 7' 6"	8' 1" 9' 5"	7' 5" 8' 9"	5' 11" 5' 11"
100-CTW-97 84-CTW-110	1166	21.0 24.0	8' 0"	8' 1"	7' 5"	6' 4"
100-CTW-110	1397	24.0	8' 0"	9' 5"	8' 9"	6' 4"
84-CTW-127	1346	30.0	8' 6"	8' 1"	7' 5"	6' 9"
100-CTW-127	1613	30.0	8' 6"	9' 5"	8' 9"	6' 9"
84-CTW-141	1495	42.0	9' 0"	8' 1"	7' 5"	7' 2"
100-CTW-141	1791	42.0	9' 0"	9' 5"	8' 9"	7' 2"
120-CTW-141	21 <i>5</i> 7	42.0	9' 0"	11' 1"	10' 5"	7' 2"
84-CTW-158	1675	42.0	9' 6"	8' 1"	7' 5"	7' 8"
100-CTW-158	2007	42.0	9' 6"	9' 5"	8' 9"	7' 8"
120-CTW-158	2417	42.0	9' 6"	11' 1"	10' 5"	7' 8"
84-CTW-179	1897	42.0	10' 0"	8' 1"	7' 5"	8' 1"
100-CTW-179	2273	42.0	10' 0"	9' 5"	8' 9"	8' 1"
120-CTW-179	2739	42.0	10' 0"	11' 1"	10' 5"	8' 1"
84-CTW-198	2099	42.0	10' 6"	8' 1"	7' 5"	8' 6"
100-CTW-198	2515	42.0	10' 6"	9' 5"	8' 9"	8' 6"
120-CTW-198 120-CTW-198 84-CTW-214	3029 2268	42.0 42.0 42.0	10' 6" 11' 0"	11' 1" 8' 1"	10' 5" 7' 5"	8' 6" 9' 0"
100-CTW-214	2718	42.0	11' 0"	9' 5" 11' 1"	8' 9"	9' 0"
120-CTW-214	3274	42.0	11' 0"	8' 1"	10' 5"	9' 0"
84-CTW-238	2523	42.0	11' 6"		7' 5"	9' 5"
100-CTW-238	3023	42.0	11' 6"	9' 5"	8' 9"	9' 5"
120-CTW-238	3641	42.0	11' 6"	11' 1"	10' 5"	9' 5"
84-CTW-260	2756	42.0	12' 0"	8' 1"	7' 5"	9' 9"
100-CTW-260	3302	42.0	12' 0"	9' 5"	8' 9"	9' 9"
120-CTW-260	3978	42.0	12' 0"	11' 1"	10' 5"	9' 9"



Special Designs/Finishes

CT units can be designed to eliminate dust-catching crevices in the dusty air section to satisfy USDA standards. Welds can be ground-flush and interior surfaces polished to discourage dust build-up. Sanitary design CT's can be furnished for all types of food and pharmaceutical applications.

Other options

Smart TimerTM Demand Pulse Systems are available at low additional cost. Saves energy, maintains even pressure and promotes long bag life.

Coatings

Our engineers can assist you in selecting coatings specifically suited to your applications.

Core replacement

Flex-Kleen has considerable experience in providing replacement pulsejet cores for older shaker/reverse air, low ratio collectors, improving system performance dramatically with minimal changes to duct work, structural supports, building steel, etc.

Aftermarket

Our aftermarket service capabilities are the best in the business. It's part of our commitment to deliver service for the life of your fabric filter-today, tomorrow, and into the future.

Other Flex-Kleen Products and Services

- Bin Vent Filters
- Welded Modular Collectors
- ComPleat Pleated Filters
- CDC Cartridge Filters
- Mechanical Cyclones
- ◆ Smart Timer[™] and Smart Timer II[™]
- ◆ Flex-Sense™ Emission Sensors
- Silo Vent Filters
- On-site Dust Collector Maintenance Services

Contact Flex-Kleen at 1-800-621-0734 or via our website at www.flex-kleen.com



