U.S.
Air Filtration, Inc.

Clearing the Air for a CLEANER ENVIRONMENT

Our Mission: To help our customers achieve peak production by providing exceptional service, products and expertise in air pollution control.

CALL TODAY
888.221.0312

www.usairfiltration.com
info@usairfiltration.com

U.S. Air Filtration

ABOUT US

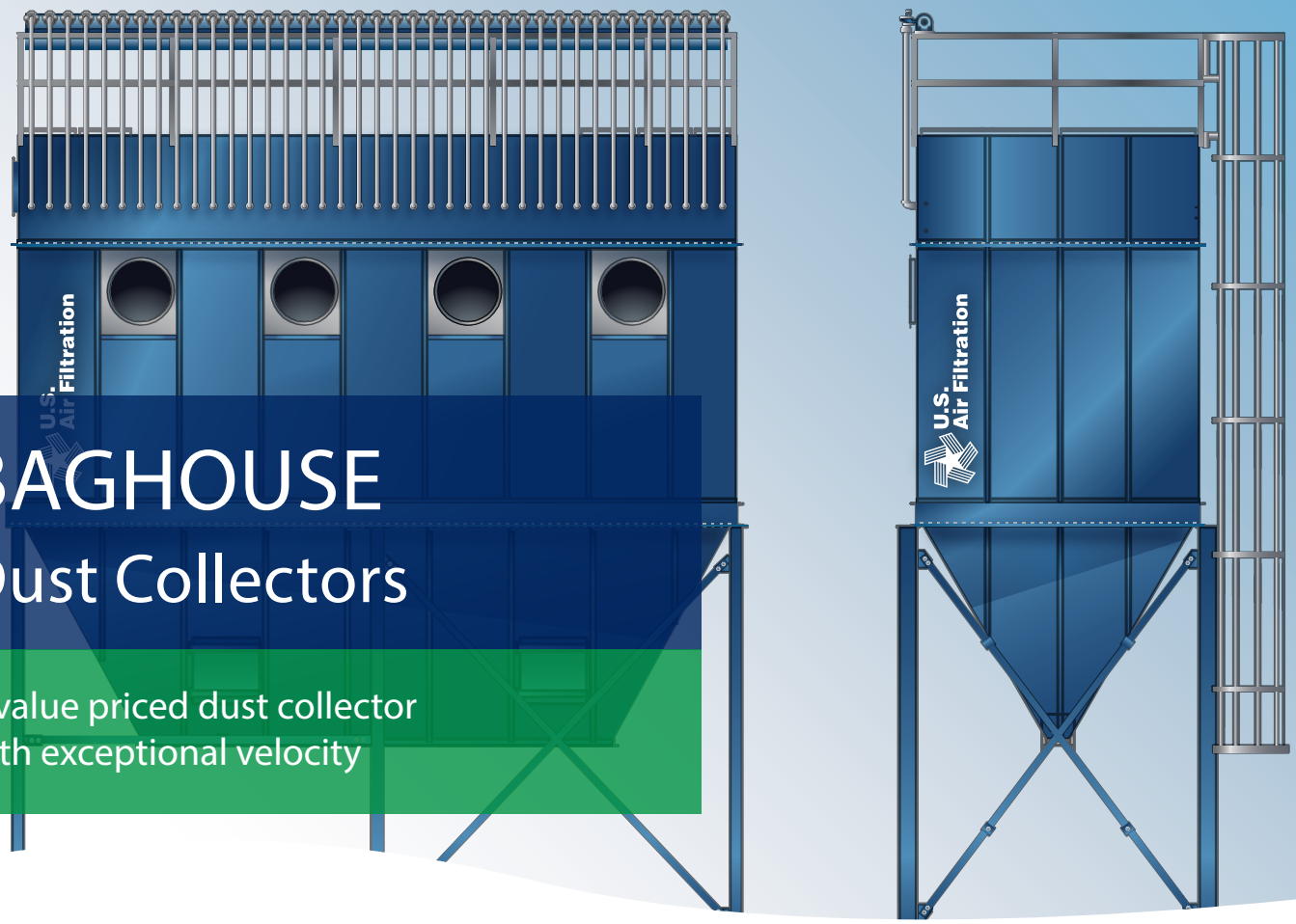
U.S. Air Filtration was established in 1987 to serve the needs of industries requiring air pollution control systems. We aim to meet and exceed United States EPA standards for air quality. Over the years, we have worked on projects ranging from $20,000 to over $3 million. Our Founder, Engineering and Sales personnel have been active in the industry with over 30 years experience.

Our Mission

To help our customers achieve peak production by providing exceptional service, products and expertise in air pollution.

Our Values

Our values are the foundation of our actions as leaders, colleagues, employees and citizens. At U.S. Air Filtration, our values incorporate our conduct towards our customers, our suppliers, our fellow employees, and the general public.



BAGHOUSE
Dust Collectors

A value priced dust collector with exceptional velocity

Standard Features

• 2, 10 or 7 gauge reinforced steel housing to withstand +/- 20 to 35" w.c. (customer to specify)

• Available in roof top lift-off doors or full walk-in clean air plenums design to access, top load, snap band type filters

• Structural designed to withstand 100 MPH = Zone 3 seismic loads

•Solid state, Dwyer Series DCT1000 Pulse timer controller with built-in pressure module for on-demand cleaning in a NEMA 4X enclosure

•60 deg. sloped hopper walls (min.) with pre-drilled discharge flange to mount secondary materials handling equipment

•Shop mounted and tested compressed air headers for easy source connection(s)

•Pre-drilled flanged inlet and outlet

•24" sq. Bolt-on or hinged hopper access door(s)

•Unit comes complete with grade to upper maintenance roof/platform ladders and safety hand railing per OHSA requirements

•Each baghouse comes complete with one full set of filters bag and cages. Many media types available.

•Each baghouse comes with a complete set of assembly drawings and operation and maintenance manual.

Onsite technician field technician services are available upon request.

Applications

USAF baghouses are self contained, full automated, and can be modularized where needed. We also supply and install rotary valves, screw conveyors, sealed drums, bulk bag discharges, discharge lids, bin vents, air operated pneumatic transfer systems, access platforms, ventilation and instrumentation, and all and all related ducting. Bag houses are engineered for dusts that are sub micron and larger, in the following applications:

- Woodworking
- Material handling
- Metals fabrication: grinding, sawing, sanding, polishing
- Mixing and blending options
- Glass plants
- Universities
- Powder processing
- Primary metals, including steel-making
- Papermaking
- Ceramics manufacturing
- Mining
- Foundaries
- Battery plants

U.S. Air Power Pulse Model PTHHHI 96-6
Pulse • Top Access • High Header • High Inlet

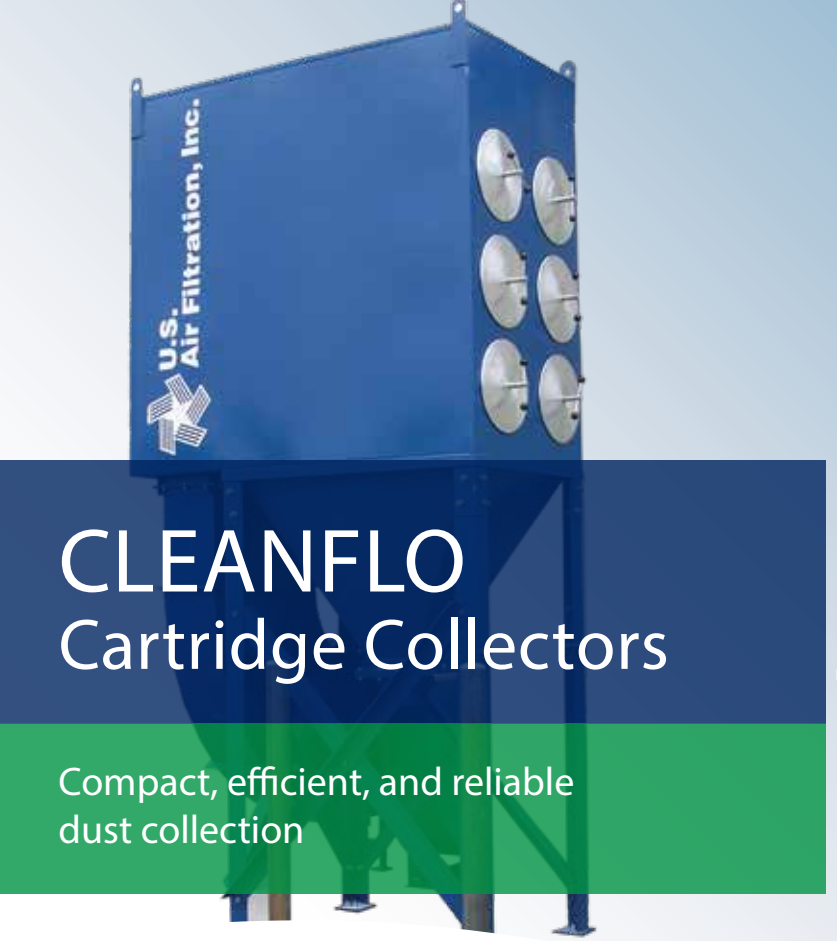
6 x 96" Filters	Filter		Air to Cloth Ratio / CFM				Dimensions				Weight	
MODEL	Qty	Area	4:1	5:1	6:1	7:1	A	B	C	D	12Ga	10Ga
68-PTHHHI 96-6	48	603	2413	3017	3620	4224	68	280	187	217	3600	4060
79-PTHHHI 96-6	63	792	3168	3960	4751	5543	76	287	192	224	4590	5060
810-PTHHHI 96-6	80	1006	4002	5028	6034	7039	84	300	197	231	5130	5660
911-PTHHHI 96-6	99	1244	4978	6222	7467	8711	92	306	203	237	6090	6680
1012-PTHHHI 96-6	120	1508	6034	7542	9050	10559	100	313	209	224	7020	7720
1113-PTHHHI 96-6	143	1798	7190	8988	10785	12583	108	320	215	251	7780	8840
1214-PTHHHI 96-6	168	2112	8447	10559	12671	14782	116	327	221	258	8990	9870
1315-PTHHHI 96-6	195	2451	9805	12256	14707	17158	124	334	227	265	9690	10650

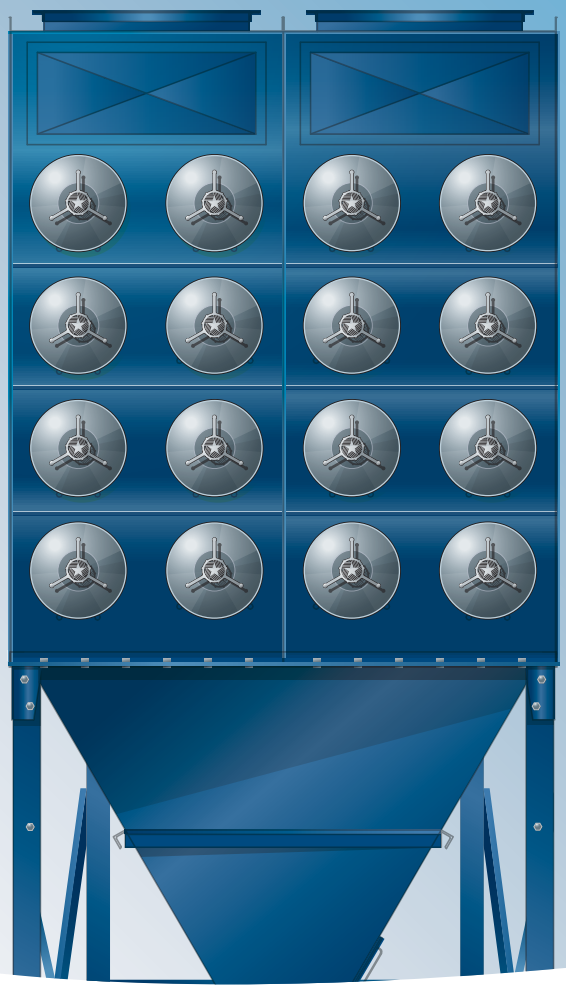
U.S. Air Power Pulse Model PTHHHI 120-6
Pulse • Top Access • High Header • High Inlet

6 x 120" Filters	Filter		Air to Cloth Ratio / CFM				Dimensions				Weight	
MODEL	Qty	Area	4:1	5:1	6:1	7:1	A	B	C	D	12Ga	10Ga
68-PTHHHI 120-6	48	754	3014	3768	4522	5275	60	304	211	241	3830	4340
79-PTHHHI 120-6	63	989	3956	4946	5935	6924	60	311	216	248	4890	5420
810-PTHHHI 120-6	80	1256	5024	6280	7536	8792	68	324	221	255	5430	6040
911-PTHHHI 120-6	99	1554	6217	7772	9326	10880	76	330	227	261	6470	7130
1012-PTHHHI 120-6	120	1884	7536	9420	11304	13188	84	337	233	268	7470	8250
1113-PTHHHI 120-6	143	2245	8980	11226	13471	15716	93	344	239	275	8240	9400
1214-PTHHHI 120-6	168	2638	10550	13188	15826	18463	100	351	245	282	9490	10460
1315-PTHHHI 120-6	195	3062	12246	15308	18369	21431	124	358	251	289	10200	11270

U.S. Air Power Pulse Model PTHHHI 144-6
Pulse • Top Access • High Header • High Inlet

6 x 144" Filters	Filter		Air to Cloth Ratio / CFM				Dimensions				Weight	
MODEL	Qty	Area	4:1	5:1	6:1	7:1	A	B	C	D	12Ga	10Ga
68-PTHHHI 120-6	48	904	3617	4522	5426	6330	52	328	235	265	4070	4630
79-PTHHHI 120-6	63	1187	4748	5935	7122	8308	60	335	240	272	5180	5780
810-PTHHHI 120-6	80	1507	6029	7536	9034	10550	68	348	245	279	5750	6420
911-PTHHHI 120-6	99	1865	7461	9326	11191	13056	76	354	251	285	6840	7590
1012-PTHHHI 120-6	120	2261	9043	11304	13565	15826	84	361	257	292	7920	8980
1113-PTHHHI 120-6	143	2694	10776	13471	16165	18859	93	368	263	299	8700	9950
1214-PTHHHI 120-6	168	3165	12660	15826	18991	22156	100	375	269	306	9980	11050
1315-PTHHHI 120-6	195	3674	14695	18369	22043	25717	108	382	275	313	10720	11890





CLEANFLO
Cartridge Collectors

Compact, efficient, and reliable dust collection

The U.S. CleanFlo cartridge dust collector provides economical, reliable, high efficiency filtration in a compact size. Quality construction and simple design ensure long-term, trouble-free operation, superb fit and finish.

Standard Features

- Cartridges are quickly and easily serviced from outside the collector; no confined space entry permit, respirator, etc. needed.
- Modular panelized design allows easy capacity increases. Multiple units share common hoppers and minimize clean air ducting.
- Compact design saves space and is adaptable to height and footprint restrictions.

Variety of Filter Media

A wide variety of media and constructions are available, including:

- Cellulose/polyester blend (standard)
- Nano fiber technology
- Spunbond polyester
- Aluminized spunbond
- Spunbond w/PTFE
- Aramid

Cartridges are market standard size (13.84" dia. X 26"long), containing 254 ft^2 of media area for most media and applications.

Applications

USAF cartridge collectors are suitable for many applications from fumes and nuisance dust to product recovery. Typical markets served include:

- Industrial Processing
- Metalworking
- Pharmaceutical
- Woodworking
- Powder Paint (ES paint)
- Laser & Plasma Cutting
- Gas Turbine
- Food
- Cement
- Shot Black
- Carbon Black
- Fumes
- Foundry
- Welding, etc.

Standard Features

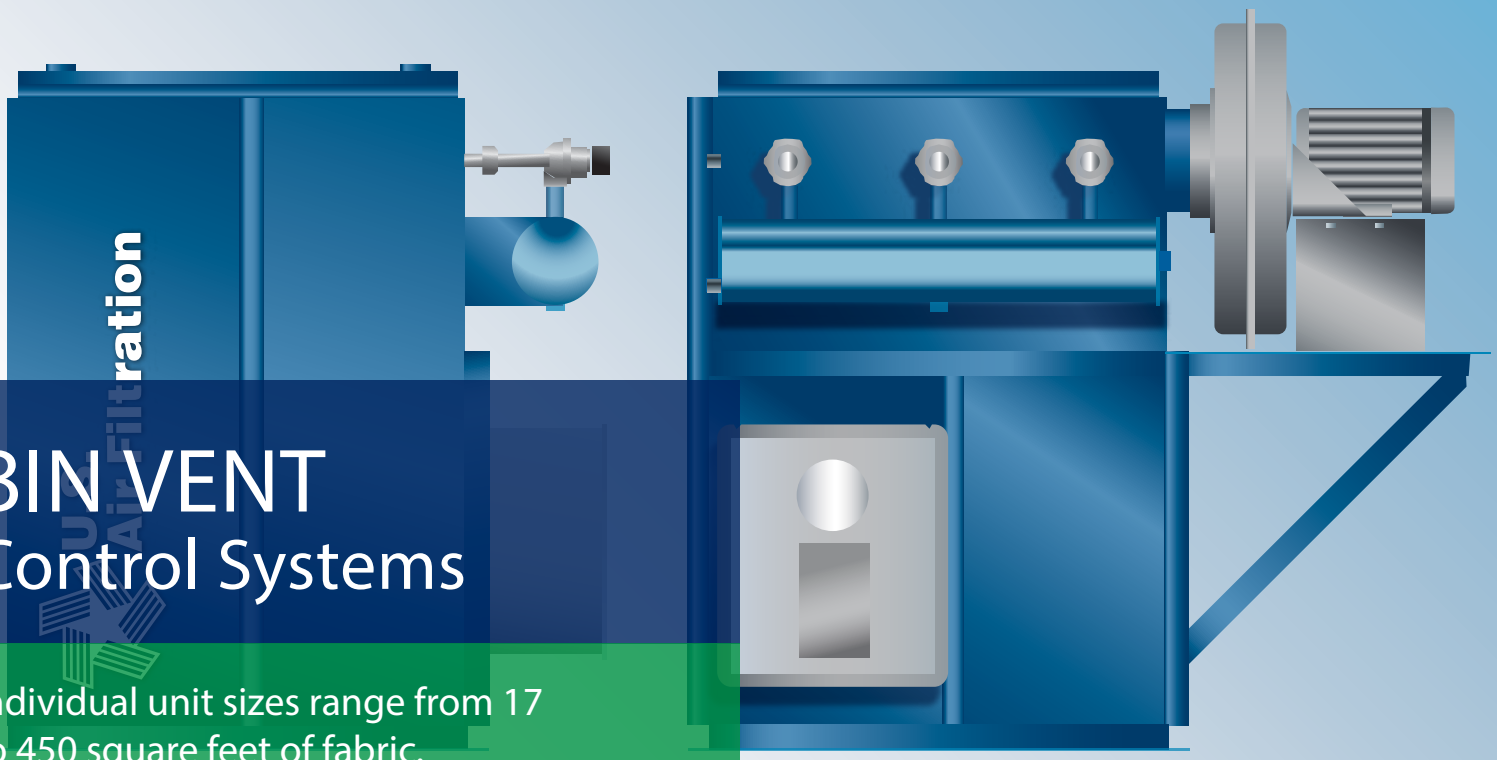
- Mild steel all-welded construction with all surfaces primer coated and acrylic finish exterior.
- Ledge-free 60˚ hopper
- Damper pack
- Cellulose/polyester blend 80/20 cartridges
- Limited 10-year housing warranty
- Timer with enclosure

Options

- Stainless steel construction
- High temperature construction
- Direct drive fans
- Silencers
- Abrasion resistant inlet
- Air management modules
- Extended dirty air plenum
- 5 Step sloped hopper
- 2-Module hopper
- Explosion vents
- Sprinkler system
- Service platform & ladder
- Lined clear air plenum / silencing foam
- Bag-in bag-out construction
- HEPA after filter
- Custom color/coatings
- Rotary valves / screw conveyors
- Slide gates & drum cover
- Indoor / outdoor ?
- Solenoid enclosure (NEMA 7.9)
- Epoxy paint
- Increased & reduced leg height

Product Specifications

MODEL	FILTER AREA	# CARTRIDGES	AIRFLOW RANGE	# INLETS	# HOPPERS	# VALVES	HEIGHT	WIDTH	DEPTH	12 Ga. WGHT	10 Ga. WGHT
1DCP-2	508	2	250 - 1,600	1	1	2	114	40	52	905	1,095
2DCP-4	1,016	4	500 - 3,200	1	1	4	132	40	52	1,005	1,225
2DCP-8	2,032	8	1,500 -6,350	1	1	4	142	40	78	1,585	1,930
2DCP-12	3,048	12	1,500 - 9,500	1	1	6	150	60	78	2,410	2,930
2DCP-24	6,096	24	4,000 -18,950	3	3	12	142	120	78	4,300	5,220
3DCP-6	1,524	6	800 - 4,750	1	1	6	150	40	52	1,105	1,355
3DCP-12	3,048	12	1,550 - 9,500	1	1	6	160	40	78	1,855	2,260
3DCP-18	4,572	18	2,300 - 14,200	1	1	9	167	60	78	2,565	3,125
3DCP-24	6,096	24	3,100 - 18,950	2	2	12	160	80	78	2,465	3,005
3DCP-36	9,144	36	4,600 - 28,400	3	3	18	160	120	78	3,075	3,750
3DCP-48	12,192	48	6,150 - 37,850	4	4	24	160	160	78	3,685	4,495
3DCP-54	13,716	54	6,900 - 42,550	3	3	27	167	180	78	4,880	5,995
4DCP-16	4,064	16	2,050 - 12,650	1	1	8	178	40	78	2,200	2,700
4DCP-32	8,128	32	4,100 - 25,250	2	2	16	178	80	78	4,150	3,595
4DCP-48	12,192	48	6,150 - 37,850	3	3	24	178	120	78	6,105	6,005
4DCP-64	16,256	64	8,150 - 50,400	4	4	32	178	160	78	8,050	7,495
4DCP-80	20,320	80	10,200 - 63,000	5	5	40	178	200	78	9,995	9,605
4DCP-96	24,384	96	12,200 - 75,600	6	6	48	178	240	78	11,705	12,010



BIN VENT
Control Systems

Individual unit sizes range from 17 to 450 square feet of fabric.

USAF bin vents feature rugged welded housings and can be furnished to handle air volumes ranging from 100 to 5,000 cubic feet per minute. Our bin vents are equipped with automatic on-line pulse-jet cleaning.

Features

- High Efficiency - filter media removes 99.99+ percent of entrained particles.
- Low Energy Requirements - Compressed air usage is minimized through precise matching of cleaning requirements and cleaning frequency.
- Low Maintenance Requirements - No moving parts inside the collector. Pulsing system can be inspected without shutting down the collector.
- Quick Installation - Welded housing is shipped ready to install for minimum erection costs. Collector may be mounted directly to the bin or silo, or supplied with a hopper and support legs as a freestanding unit.

Control System

Bin vents are typically used to vent displaced air and harmful products in bins or silos. Our bin vent design is compact, easy to install, eliminates ductwork and reduces installation expense. Bin vents vent bins, storage silos, mixers, blenders, pneumatic conveying systems of any type, or any other device or process that must contain or control dust particles. USAF units meet the most stringent air pollution codes. The bin vent/dust filter is controlled by solid state electronics, and is self-cleaning for minimum maintenance.

U.S. Air Filtration, Inc.

At U.S. Air Filtration, when you win, our company and our employees win with you. Your success is our success.

Call us today to learn how we can help you:
888.221.0312

U.S. Air Filtration, Inc.
PROJECTS

Project 20098:
Board Sanding/Trimming

- 100,00 CFM System
- Dual Model 4515-PTHHEI-144-6 Power Pulse Baghouse

Project 14384:
Rubber Plant Cartridge Unit

- 24,000 CFM System
- Pulse Jet Cartridge Dust Collector
- Model #4DCP48-26-13.8

Project 17360:
Foundry

- 150,000 CFM System
- (2) Model 6515-WPT-120-6 Power Pulse Baghouse

For additional projects and case studies visit our website at: www.usairfiltration.com

U.S. Air Filtration, Inc.

www.usairfiltration.com | info@usairfiltration.com
41591 Cherry St., Murrieta, CA 92562