

# **ULTRA**

**INDUSTRIES, INC.**

W. T. Maye, Inc. (WTMI)  
1-877-705-9864  
info@wtmi-usa.com  
www.wtmi-usa.com

## **Industrial Air Filtration Equipment**



**PULSE - JET DUST COLLECTORS**

# ...a word about **ULTRA** INDUSTRIES, INC.



**O**ver 90 years of experience has gone into the design of the **Ultra Industries** collector. It features state of the art technology and incorporates the best product features and components found in the industry.

**Ultra Industries** has an experienced staff of dust collection engineers plus a network of technical sales representatives specifically selected for their industry experience. This combination of design, service and value establishes **Ultra Industries** as the innovative leader in the marketplace.

### ***Design***

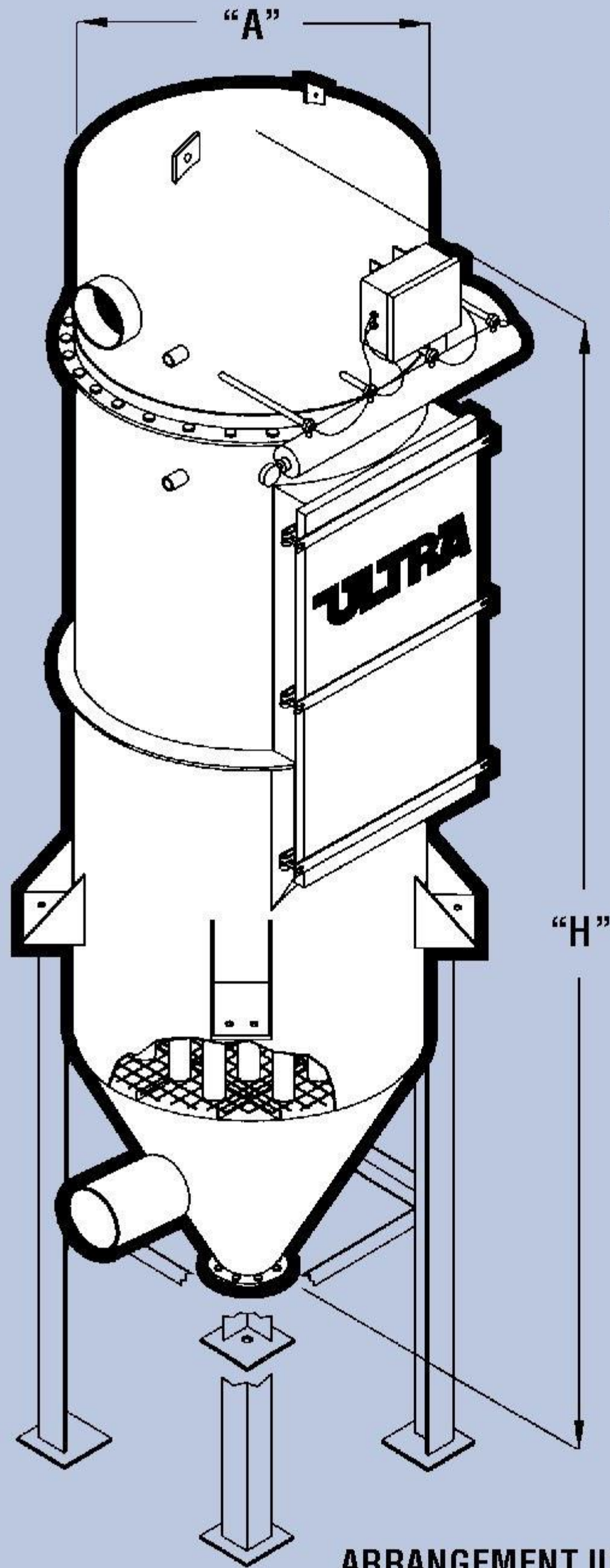
Ultra Industries has designed and built dust collectors from miniature sizes to one of the largest single compartment collectors built to date by any manufacturer.

### ***Application***

Ultra Industries builds a collector for every application. Whatever the situation calls for, product recovery, air filtration or process dust control we are certain to have the solution to your problem.

# High Vacuum, High Pressure Collector for Pneumatic Conveying

MODELS CB AND CF



**ARRANGEMENT III G**  
(GRID PLATFORM OPTIONAL)

## Lowest Maintenance Cost

*... no moving parts. Convenient access doors for routine bag inspection.*

**MODEL CB**  
(5 3/4" Bags)

**MODEL CF**  
(4 1/2" Bags)

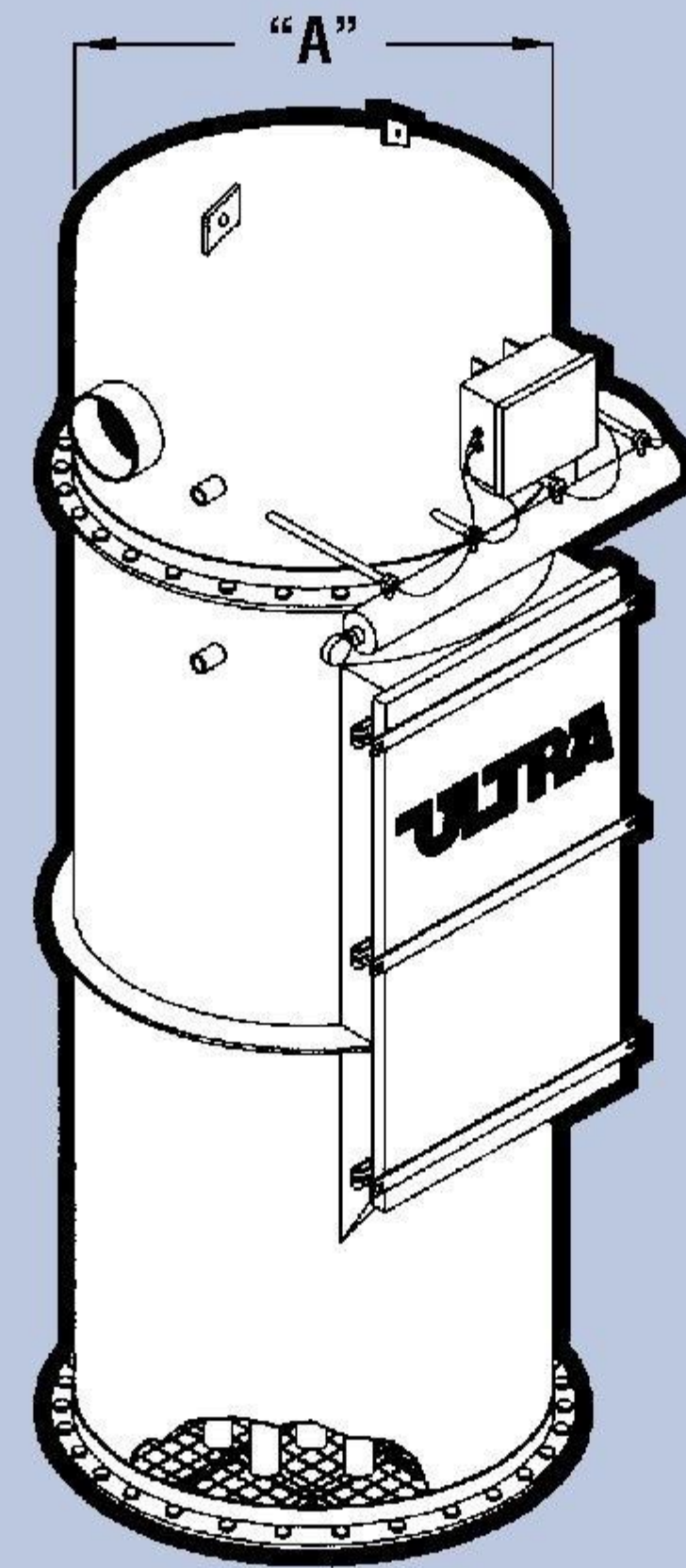
**Solid State Timer** helps save energy, easily adjusts to vary pulse intervals and pulse durations.

**Top Bag** removal available with walk-in plenum or easy lift off head for ease of maintenance.

Design Rating  
± 100" W.G.

Design Rating  
± 17" Hg.

Available platform and OSHA approved ladder



**ARRANGEMENT II G**  
(GRID PLATFORM STANDARD)

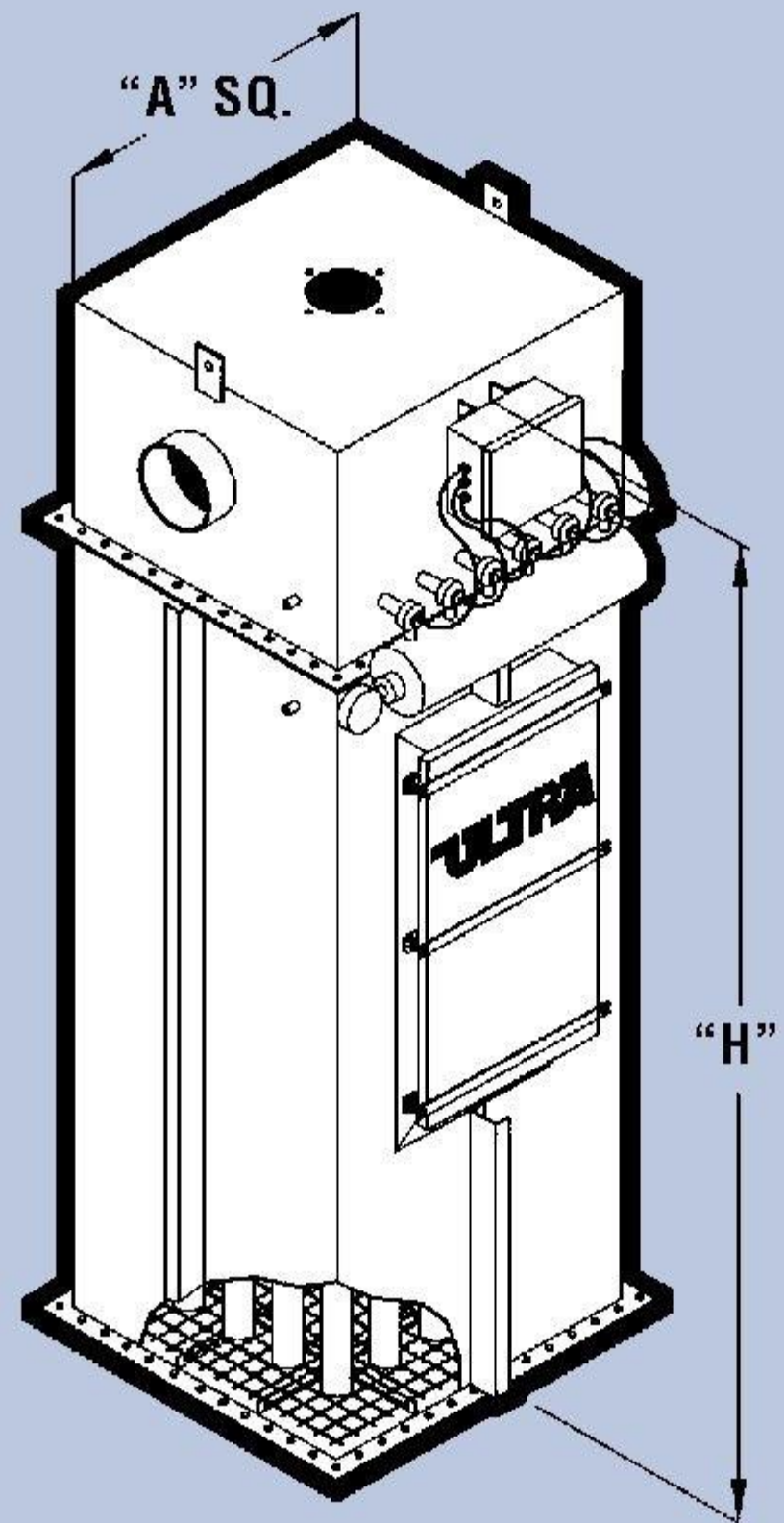
### MODEL CB 5 3/4" Diameter Bags

MODEL NO.	CB7	CB10	CB14	CB18	CB24	CB34	CB39	CB48	CB58	CB65	CB80	CB102	CB124	CB133	CB164
COLLECTOR DIAMETER (A)	2'0"	2'8"	3'0"	3'4"	4'0"	4'8"	5'0"	5'6"	6'0"	6'6"	7'0"	8'0"	8'6"	9'0"	10'0"
36" L BAGS	AREA (SQ. FT.) 30	43													
	H (HEIGHT) 6'6"	7'3"													
58" L BAGS	AREA (SQ. FT.) 50	72	101	130	173	245	281	346	418	468					
	H (HEIGHT) 8'4"	9'1"	9'4"	9'10"	10'5"	11'2"	11'5"	12'1"	12'8"	13'1"					
84" L BAGS	AREA (SQ. FT.) 74	106	148	191	254	360	414	509	615	689	848	1081	1315	1410	1739
	H (HEIGHT) 10'6"	11'3"	11'6"	12'0"	13'7"	13'4"	13'7"	14'3"	14'10"	15'3"	15'10"	16'11"	17'4"	17'9"	18'9"
100" L BAGS	AREA (SQ. FT.)		178	229	305	432	495	609	736	825	1016	1295	1574	1689	2082
	H (HEIGHT)		12'10"	13'4"	13'11"	14'8"	14'11"	15'7"	16'2"	16'7"	17'2"	18'3"	18'8"	19'1"	20'1"
120" L BAGS	AREA (SQ. FT.)										1225	1562	1899	2037	2512
	H (HEIGHT)										18'10"	19'11"	20'4"	20'9"	21'9"

# Compact Square Design For Bin Venting And Dust Control

**Maximum Filtering Efficiency**  
*removes up to 99.99% of dust particles at high air-to-cloth ratios.*

**Lowest Installed Cost**  
*...housing shipped assembled. Factory-installed air manifolds save hours of installation time.*



**ARRANGEMENT IIG**  
 (GRID PLATFORM STANDARD)

**MODEL BB (5 3/4" Bags)**  
**MODEL SQ (4 1/2" Bags)**

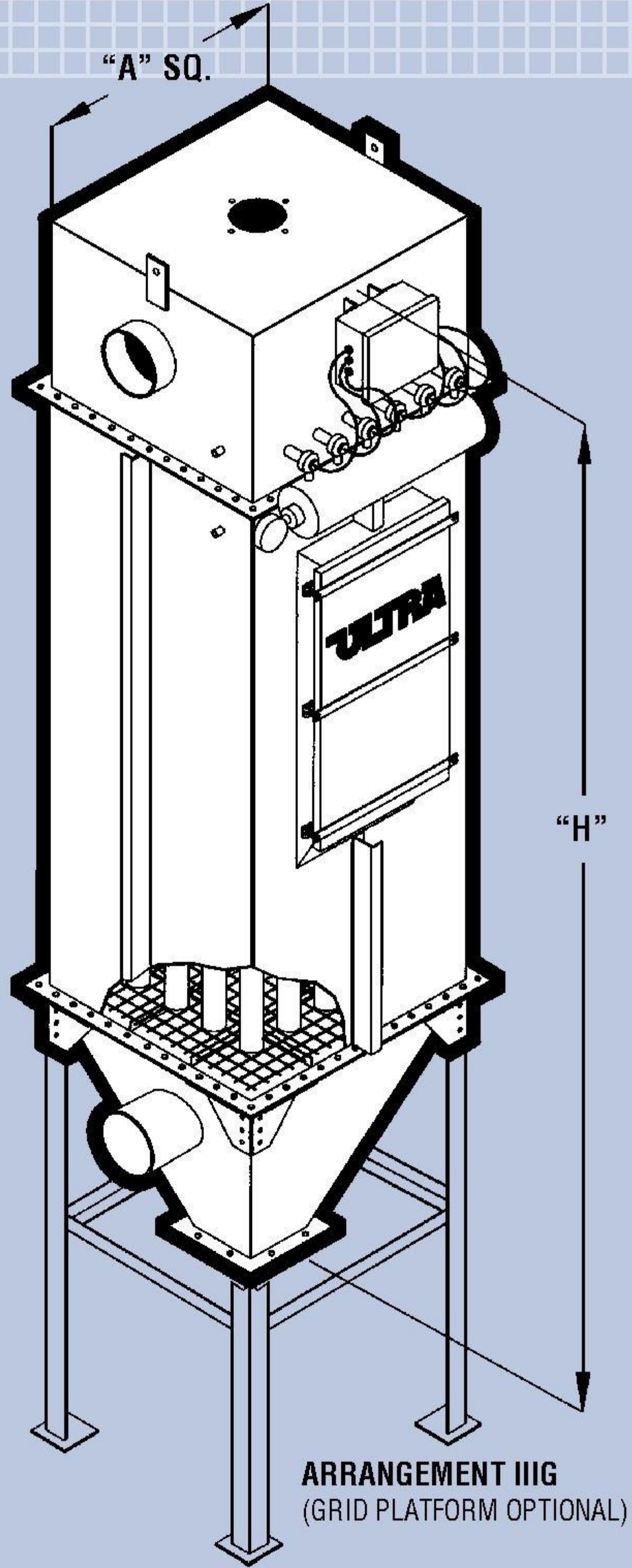
**Standard Construction**  
 ... all welded 12 gauge steel. Stainless available for special applications.

**Convenient Access Doors**  
 permit quick entrance to dirty air plenum for routine bag inspection.

**Top Bag removal design** available, utilizing lift-off doors. Models BD and SQD.

Available grid platform, structural support legs, platform and OSHA approved ladder

Design Rating  
 ± 20" W.G.

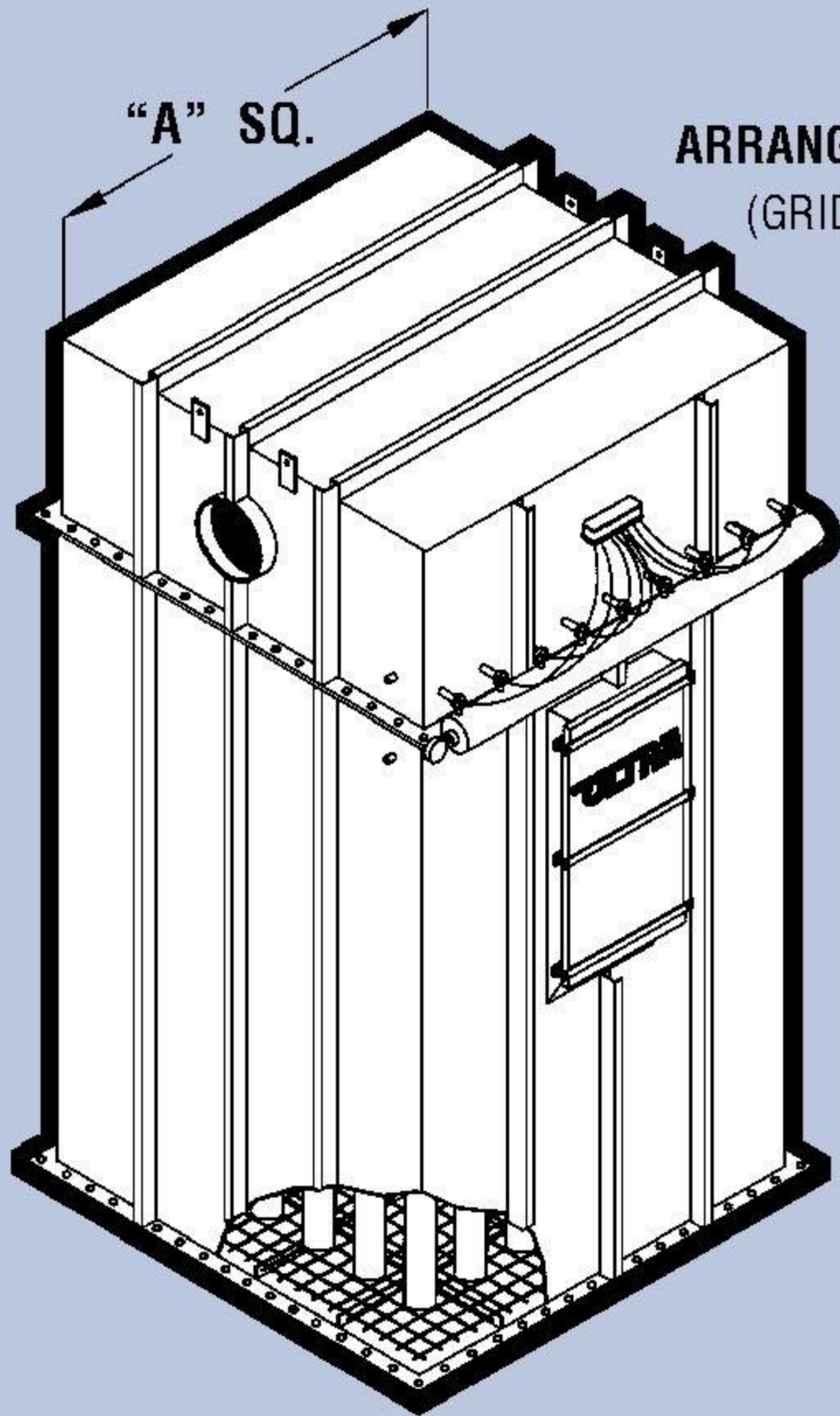


**ARRANGEMENT IIIIG**  
 (GRID PLATFORM OPTIONAL)

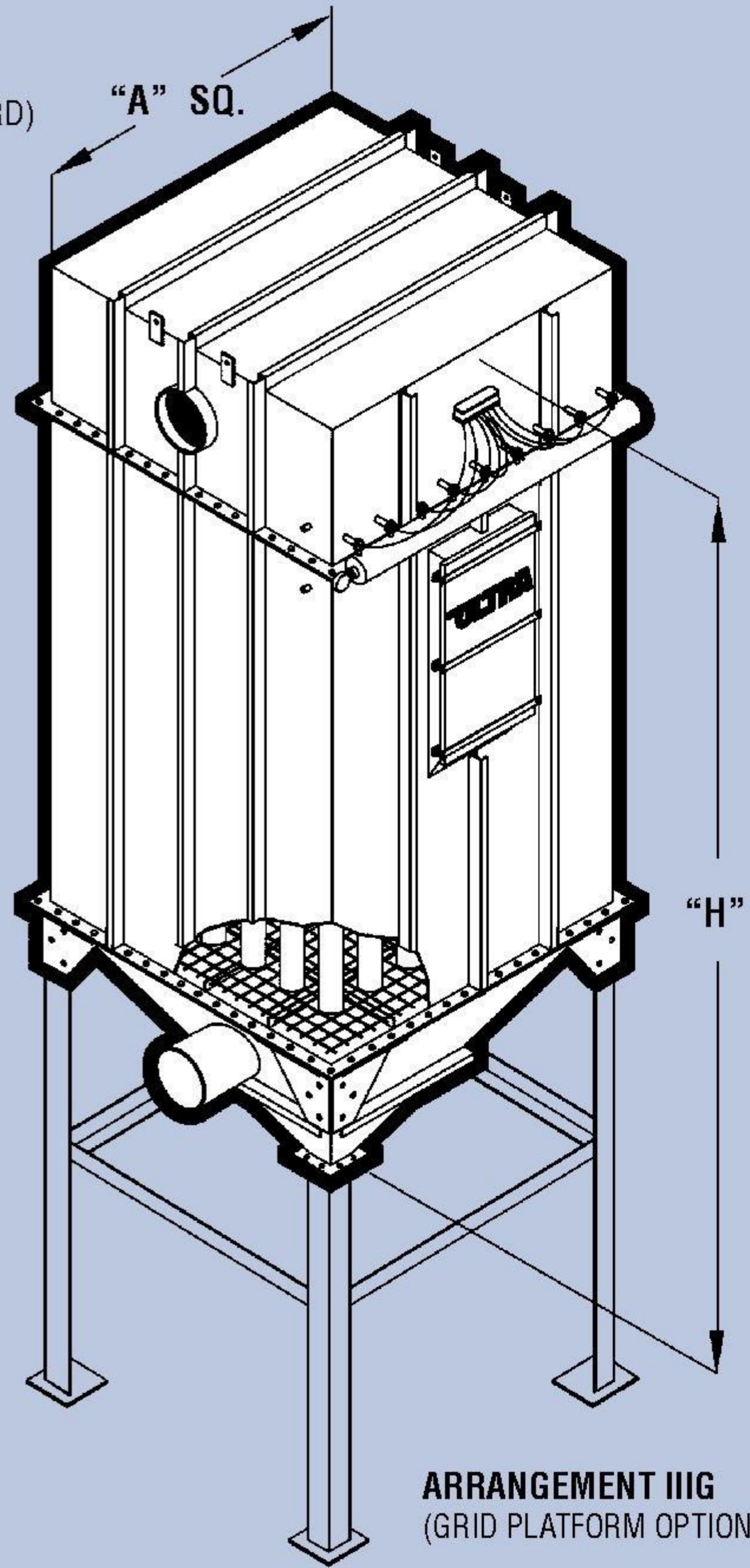
MODEL BB 5 3/4" Diameter Bags Arrangement IIG						Arrangement IIIIG			
MODEL NO.	BB4	BB9	BB16	BB25	BB36	BB9	BB16	BB25	BB36
A (SQUARE) (WIDTH)	1'4"	2'0"	2'8"	3'4"	4'0"	2'0"	2'8"	3'4"	4'0"
36" L BAGS	AREA (SQ. FT.) 17	39				39			
	H (HEIGHT) 5'3"	5'3"				6'5"			
58" L BAGS	AREA (SQ. FT.) 29	65	115	180	259	65	115	180	259
	H (HEIGHT) 7'1"	7'1"	7'1"	7'1"	7'1"	8'3"	8'10"	9'5"	10'0"
84" L BAGS	AREA (SQ. FT.)	95	170	265	382	95	170	265	382
	H (HEIGHT)	9'4"	9'4"	9'4"	9'4"	10'6"	11'1"	11'8"	12'3"
100" L BAGS	AREA (SQ. FT.)		203	317	457		203	317	457
	H (HEIGHT)		10'8"	10'8"	10'8"		12'5"	13'0"	13'7"

# All Welded Square Collectors For Intermediate Performance Requirements

MODELS BB AND SQ



**ARRANGEMENT IIG**  
(GRID PLATFORM STANDARD)



**ARRANGEMENT IIIG**  
(GRID PLATFORM OPTIONAL)

**MODEL BB (5 3/4" Bags) MODEL SQ (4 1/2" Bags)**

**Side Bag**

removal design utilizing convenient side access doors, for ease of bag changing.

**Top Bag**

removal design, utilizing lift-off doors. Models BD and SQD or convenient walk-in plenum models BW and SQW.

Available grid platform, structural support legs, platform and OSHA approved ladder

Design Rating ± 20" W.G.

**MODEL BB 5 3/4" Diameter Bags**

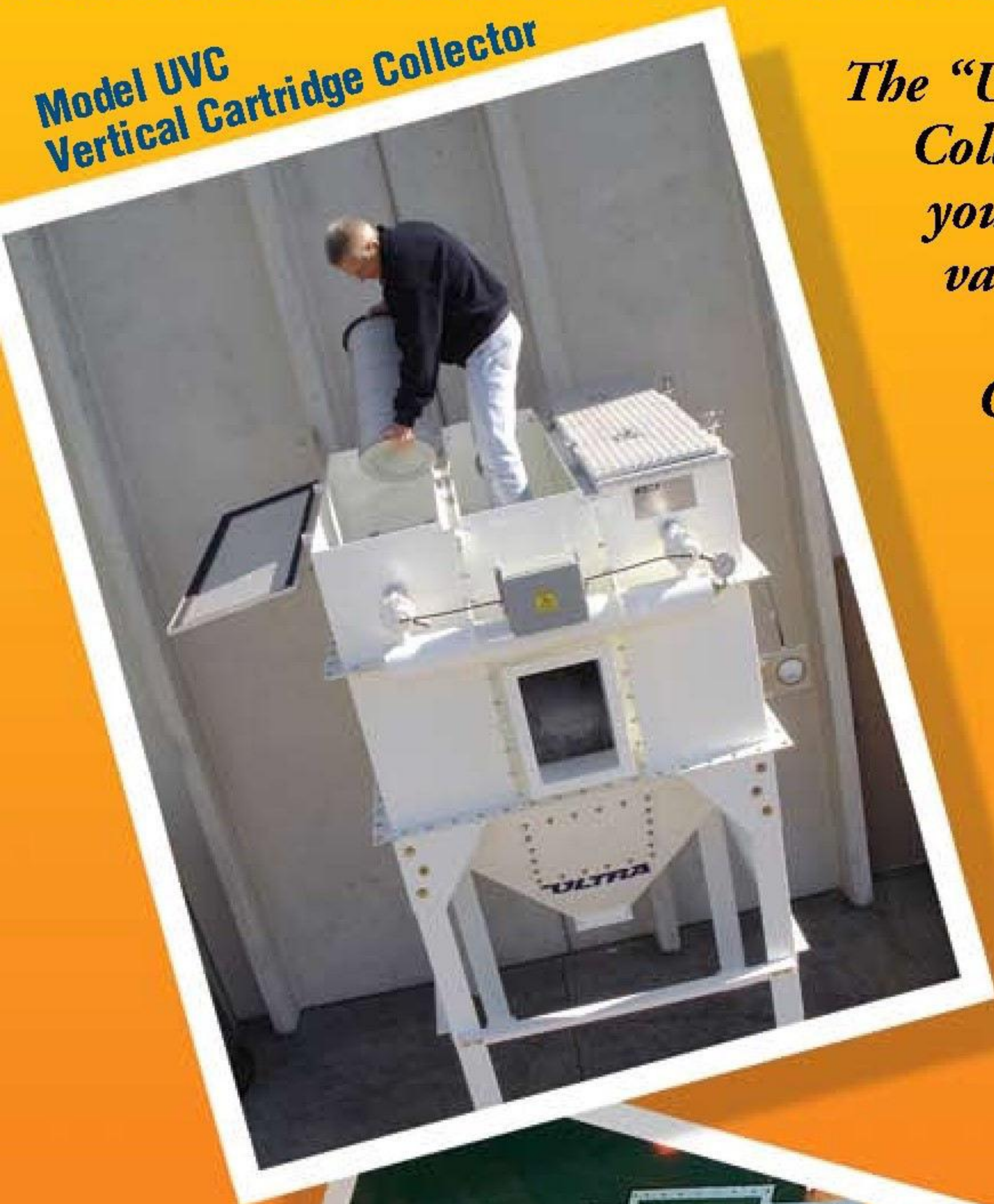
MODEL NO.	BB49	BB64	BB81	BB100	BB121	BB144	BB169	BB196	BB225	BB256
A (SQUARE) (WIDTH)	4'8"	5'4"	6'0"	6'8"	7'4"	8'0"	8'8"	9'4"	10'0"	10'8"
84" L BAGS	AREA (SQ. FT.) 520	679	859	1060	1283	1527	1792	2078	2386	2714
	H (HEIGHT) 12'8"	13'3"	15'0"	15'7"	16'2"	16'9"	17'3"	17'10"	18'5"	19'0"
100" L BAGS	AREA (SQ. FT.) 622	813	1028	1270	1536	1828	2146	2489	2857	3251
	H (HEIGHT) 14'0"	14'7"	16'4"	16'11"	17'6"	18'1"	18'7"	19'2"	19'9"	20'4"
120" L BAGS	AREA (SQ. FT.) 750	980	1241	1532	1853	2205	2588	3002	3446	3921
	H (HEIGHT) 15'8"	16'3"	18'0"	18'7"	19'2"	19'9"	20'3"	20'10"	21'5"	22'0"





# "ULTRA FLOW" PULSE-JET CARTRIDGE COLLECTORS

**Model UVC  
Vertical Cartridge Collector**



*The "Ultra-Flo" UHC and UVC Cartridge Collectors are the perfect solution for your light loading applications for a variety of in plant air quality problems.*

*Compact design utilizes standard 12-3/4" diameter cartridges to offer more square feet of filter area per cubic foot of collector space. The modular design allows for multiple arrangements to handle airflows from 500 to 25,000 CFM.*

- Rugged high efficiency cartridge elements in a variety of media types offers efficiency to 99.99%.

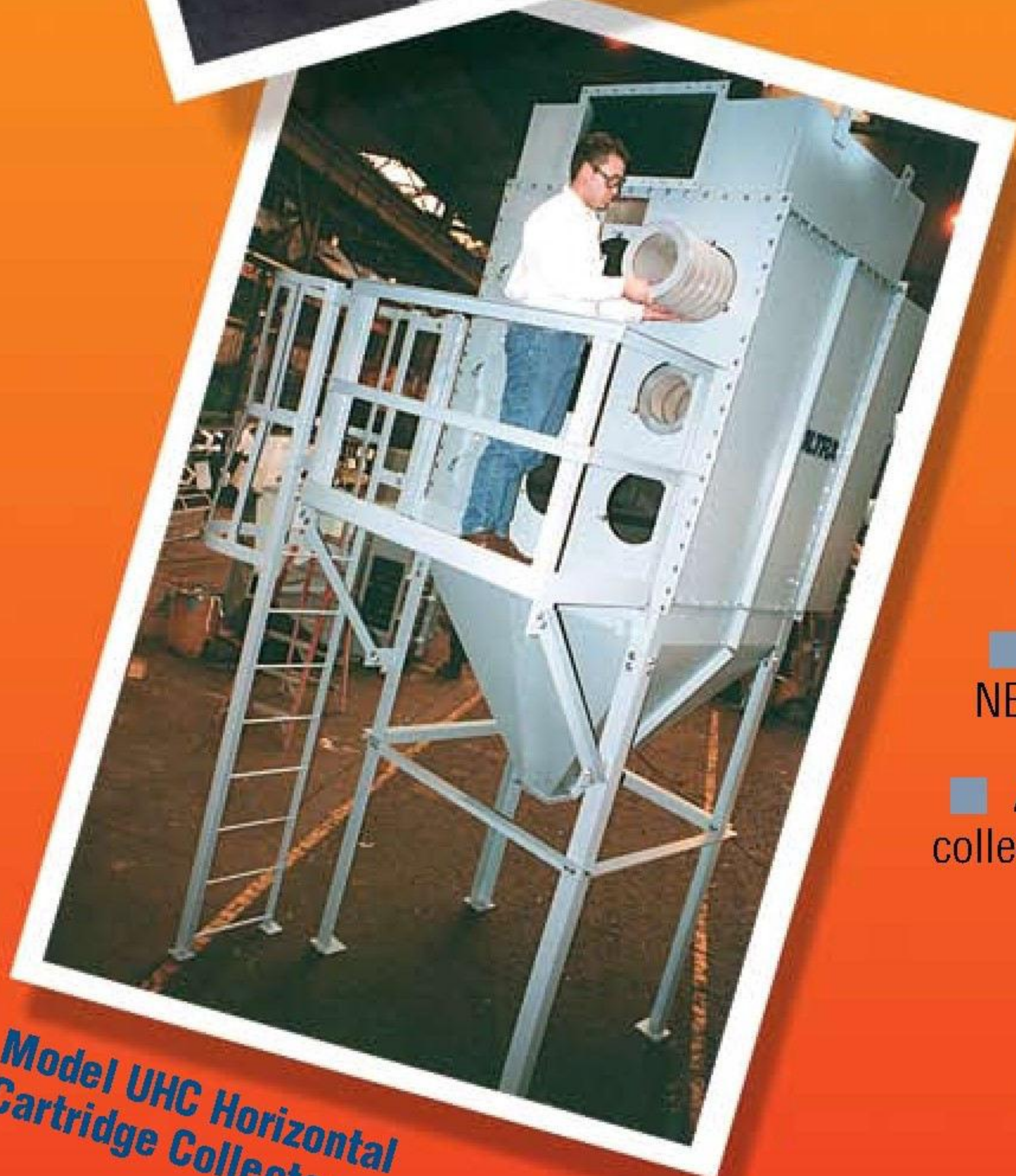
- Rugged 12 ga. construction stiffened for up to 20" W.C. with 7 ga. tube sheet for added strength and parallel cartridge alignment.

- Specialized inlet with diffusion baffle provides for even air flow distribution resulting in the reduction of turbulence, re-entrainment and abrasion with lower energy usage.

- Easy access to cartridges simplifies maintenance.

- Solid state sequential timer housed in a NEMA 4 enclosure.

- Available as a bin vent or as a stand alone collector with hopper.



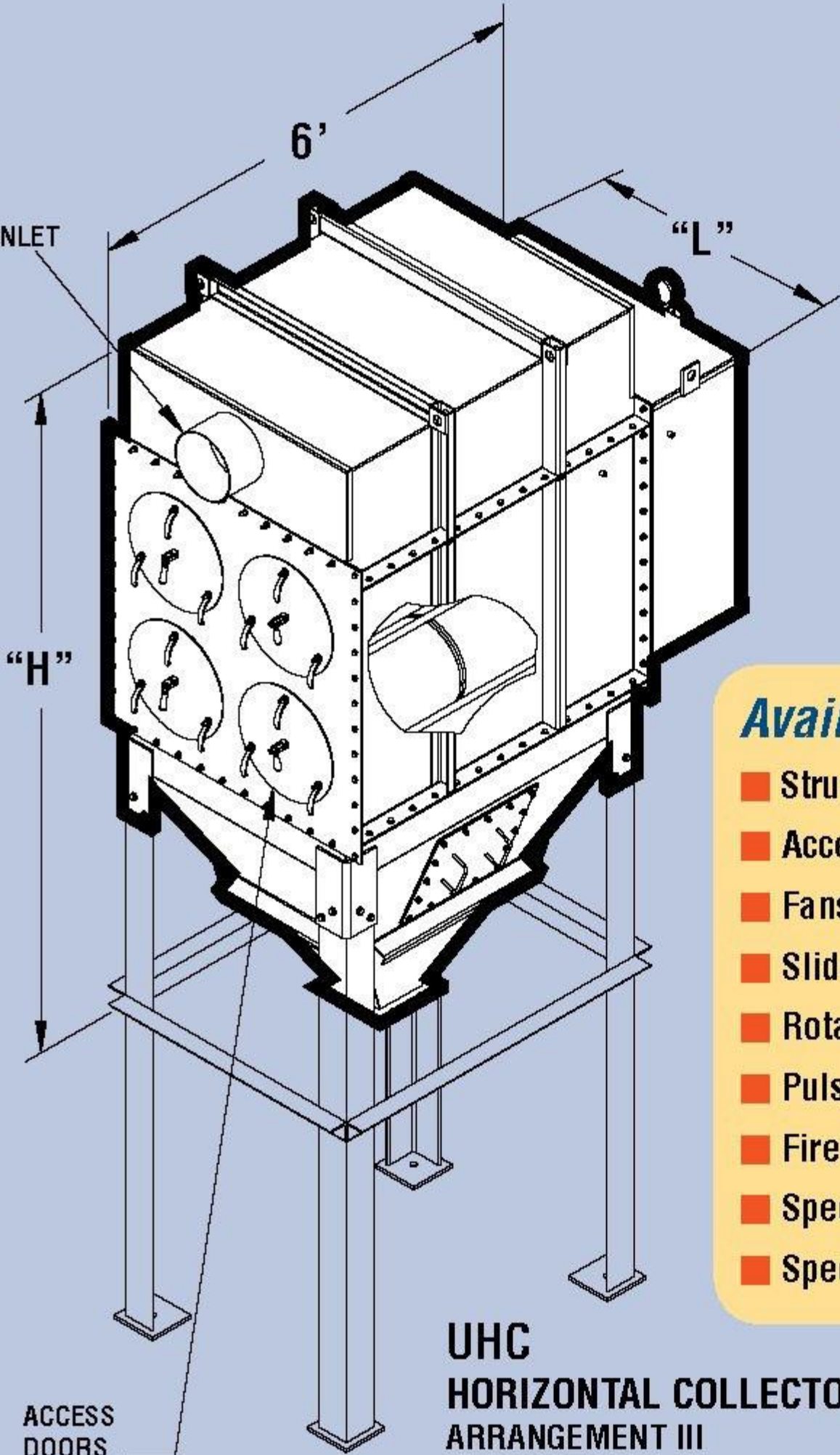
**Model UHC Horizontal  
Cartridge Collector**



# Model UVC and UHC *Ultra-Flo* Pulse-Jet Cartridge Collectors

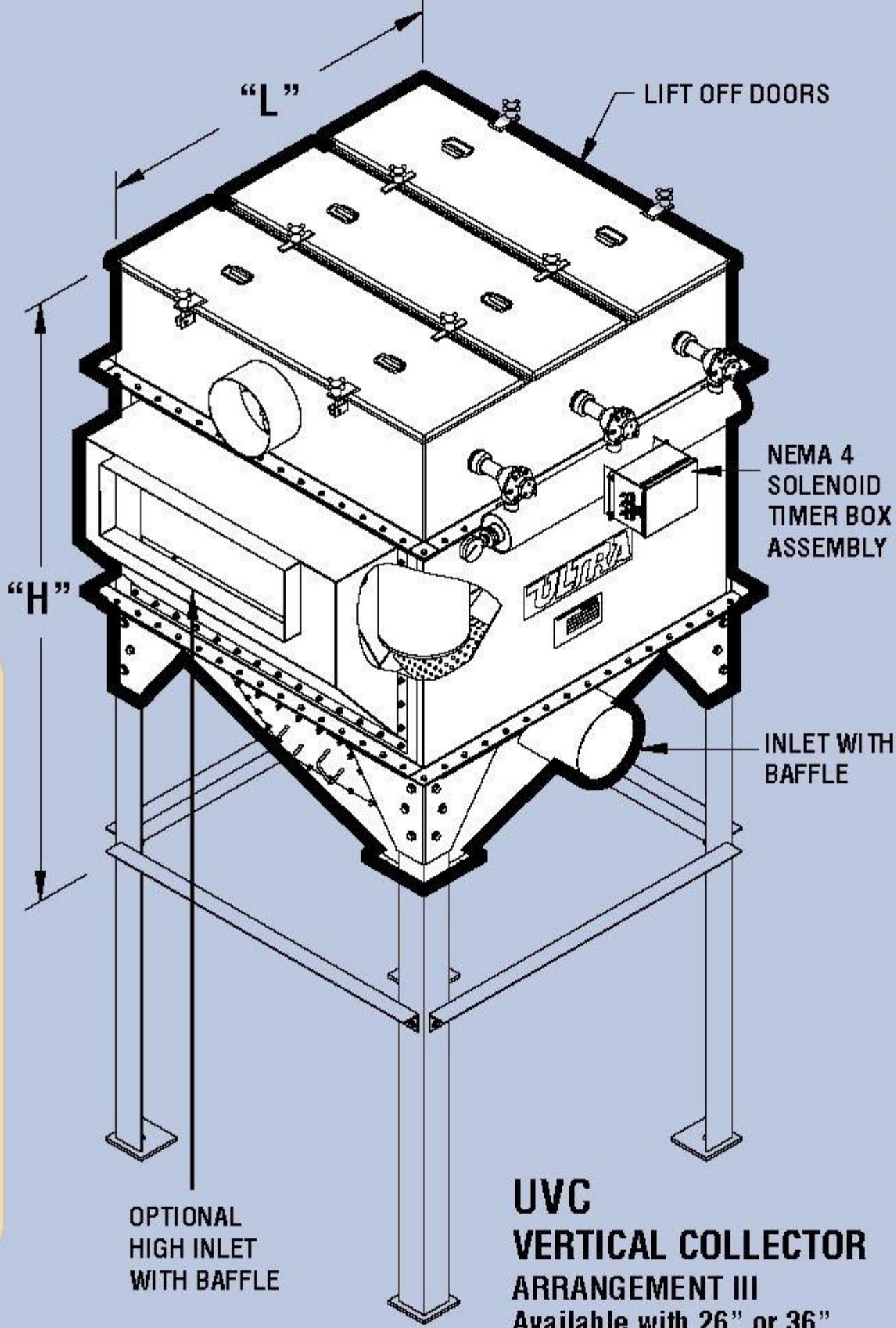
MODELS UVC and UHC "ULTRA-FLO"

UVC and UHC also available as bin vents (Arrangement II)



**UHC HORIZONTAL COLLECTOR ARRANGEMENT III**

- Available Options:**
- Structural Support Legs
  - Access Platform and Ladder
  - Fans and Blowers
  - Slide Gates with Drum Covers
  - Rotary Airlocks
  - Pulse on Demand Cleaning
  - Fire and Explosion Relief Vents
  - Special Alloys and Materials
  - Special Paint and Coatings.



**UVC VERTICAL COLLECTOR ARRANGEMENT III Available with 26" or 36" Cartridges**

**MODEL UVC**

MODEL NO.	UVC-2-226	UVC-4-313	UVC-9-226	UVC-9-313	UVC-16-226	UVC-16-313	UVC-25-226	UVC-25-313	UVC-36-226	UVC-36-313
NO. OF CARTRIDGES	4	4	9	9	16	16	25	25	36	36
AREA (SQ. FT)*	904	1252	2034	2817	3616	5008	5650	7825	8136	11268
LENGTH (L)	3'4"	3'4"	5'0"	5'0"	6'8"	6'8"	8'4"	8'4"	10'0"	10'0"
ARRANG II HEIGHT (H)	4'8"	5'6"	4'8"	5'6"	4'8"	5'6"	4'8"	5'6"	4'8"	5'6"
ARRANG III HEIGHT (H)	7'0"	7'10"	8'5"	9'3"	9'11"	10'9"	11'4"	12'2"	12'9"	13'7"

**MODEL UHC**

MODEL NO.	UHC-22	UHC-32	UHC-42	UHC-33	UHC-52	UHC-43	UHC-53	UHC-44	UHC-54	UHC-64
NO. OF CARTRIDGES	8	12	16	18	20	24	30	32	40	48
AREA (SQ. FT)*	1808	2712	3616	4068	4520	5424	6780	7232	9040	10848
LENGTH (L)	3'4"	5'0"	6'8"	5'0"	8'4"	6'8"	8'4"	6'8"	8'4"	10'0"
ARRANG II HEIGHT (H)	6'1"	6'1"	6'1"	7'9"	6'1"	7'9"	7'9"	9'5"	9'5"	9'5"
ARRANG III HEIGHT (H)	9'10"	9'10"	9'10"	11'6"	9'10"	11'6"	11'6"	13'2"	13'2"	13'2"

\*Filter Areas Based on Cellulosic Filter Media. Other Filter Media Available.

# ULTRA-PLEAT FILTERS

## *Do You...*

- Need increased air flow and performance in your present bag house or filter/receiver?
- Have space or headroom limitations?
- Need to reduce bag house maintenance costs?
- Require washable filter elements?
- Need to save on energy costs?

*If you answered YES to any or all of the above questions you may need Ultra-Pleat Filters for your next change-over or new dust collector.*

Ultra-Pleat Filters require much less space per square foot of filter area than conventional bag filters. Their compact pleated design provides up to 59 square feet of filter area per filter, and they can operate at standard 4:1 or 5:1 air to cloth ratios.

Ultra-Pleat Filters are easy to install so they reduce the amount of time it takes your maintenance

personnel to perform a changeover. This saves you money! There are no cages. Only a one piece assembly which slips over a bag cup and is secured with a band clamp, or if the baghouse is a top removal design, the "Ultra-Pleat" filter's flexible top snaps into the tube sheet hole like a snapband bag. Either way you are insured of a positive seal.

Ultra-Pleat filters are durable and washable which can be important if you have frequent color or flavor changeouts.

Ultra-Pleats 100% spun bonded polyester media provides up to 99.99% particulate removal efficiency. Also available with PTFE laminate membrane.

Ultra-Pleats are perfect for retro-fitting an existing collector. It's as easy as removing the old filter bags and attaching the Ultra-Pleat Filters.



# ULTRA-PLEAT FILTERS DATA SHEET

## UPB-575 Bottom Removal Filters

Replaces 5-3/4" diameter bags. Fits industry standard bag cups. 1" pleat height.

Filter Length	30 Pleats	35 Pleats	45 Pleats
36"	14.0 sq. ft.	16.3 sq. ft.	21.5 sq. ft.
58"	24.8 sq. ft.	29.0 sq. ft.	37.3 sq. ft.
84"	38.1 sq. ft.	44.0 sq. ft.	56.6 sq. ft.

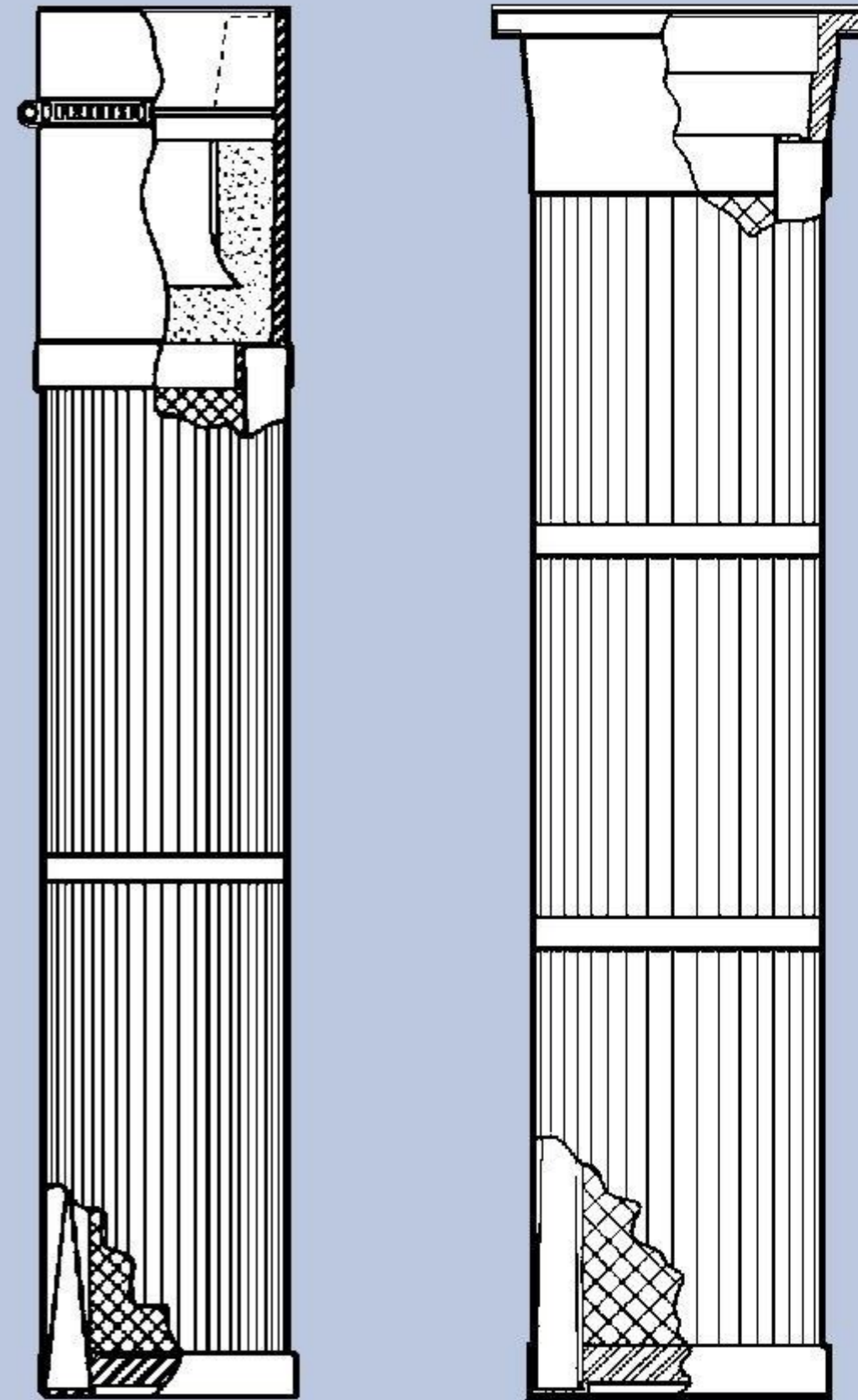
## UPT-575 Top Removal Filters

Replaces 5-3/4" diameter bags. Fits 6-1/4" tube sheet hole. 1" pleat height.

Filter Length	30 Pleats	35 Pleats	45 Pleats
36"	17.8 sq. ft.	20.1 sq. ft.	26.7 sq. ft.
58"	27.1 sq. ft.	31.8 sq. ft.	40.8 sq. ft.
80"	39.6 sq. ft.	46.2 sq. ft.	59.4 sq. ft.

### SPECIFICATIONS:

High strength, 100% spun bonded polyester  
 Continuous 200 degree F operating temperature  
 Excellent efficiency up to 99.99%  
 Polyurethane top and bottom construction  
 Galvanized metal inner core (304 SS & plastic optional)  
 Variable pleat height and pleat count  
 Food grade construction available  
 Custom designs available



### Ultra-Pleat Filters Offer:

- More efficient filtration compared with felt
- Increased media area provides lower restriction
- Longer filter life
- Improved air flow capacity
- Superior dust release
- Reduced maintenance costs due to easier changeouts
- Washability
- No cages required with pleated filters
- Easy to remove and replace one piece design

### OTHER FABRICS OPTIONS:

Ryton, Nomex, Acrylic, P84

### MEDIA OPTIONS:

- SB** 100% spun bond polyester
- SBME** 100% spun polyester with metalized media and ground wire for static dissipation
- SBCB** 100% spun polyester with carbon impregnated finish and ground wire for static dissipation
- SBTB** 100% spun bond polyester immersed in PTFE bath to create a hydro/oleo phobic coating for resistance to water, oil and dirt
- SBPTFE** 100% spun bond polyester with PTFE membrane for ultra high efficiency, moisture resistance and dust release

# ULTRA

INDUSTRIES, INC.

## *From Concept to Completion, The Ultra Advantages...*

- Two Bag Diameters - 4 1/2" and 5 3/4" Diameter
- Lowest Installed Cost - Housings are Shipped Completely Assembled
- Advanced Top Bag Removal System - Snap Ring Bags and Drop-in Cages Permit Bags to be Installed Quickly and Ensure Leak-Proof Seals

### *Additional Features And Options*

- Solid State Timer - Saves Energy, Easily Adjusts to Vary Pulse Interval and Duration
- Protective Service Grid Under Bags
- Inlet Baffle with Abrasion-Resistant Target Plate
- Outlet with Weatherhood and Bird Screen
- Differential Pressure Switch - Signals Rise in Pressure across Filter
- Roof or Side Mounted Exhaust Fans
- Sanitary Sloped Door Ledges
- NEMA 4 Controls Standard – NEMA 7 and 9 Controls Optional
- Stainless Steel Construction Available
- Explosion Venting Designed to Rigid NFPA Standards
- Support Legs
- Slide Gates
- Access Platforms
- Airlocks
- Caged Ladders
- Screw Conveyor

W. T. Maye, Inc. (WTMI)  
1-877-705-9864  
info@wtmi-usa.com  
www.wtmi-usa.com

Notice: The information presented here is based on tests and data which WTMI believes to be reliable, but their accuracy or completeness is not guaranteed. WTMI MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, BY STATUTE OR OTHERWISE, REGARDING THE PRODUCTS, AND SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF FITNESS FOR ANY PURPOSE, QUALITY, MERCHANTABILITY, OR OTHERWISE. Product use is at the user's own risk. The determination of whether the product is fit for a particular purpose or application is the responsibility of the user.