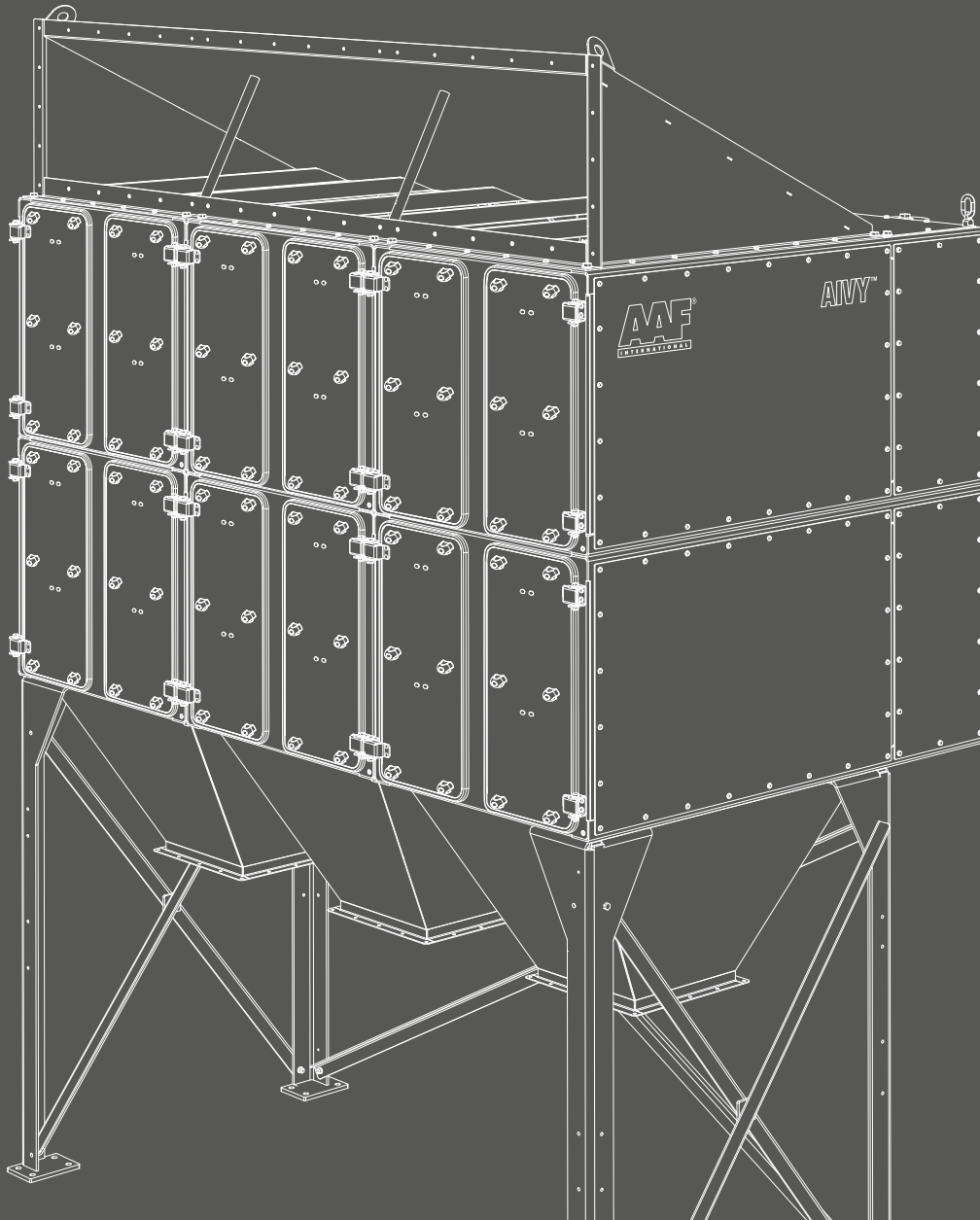


AIVY^{RC}™

Datasheet



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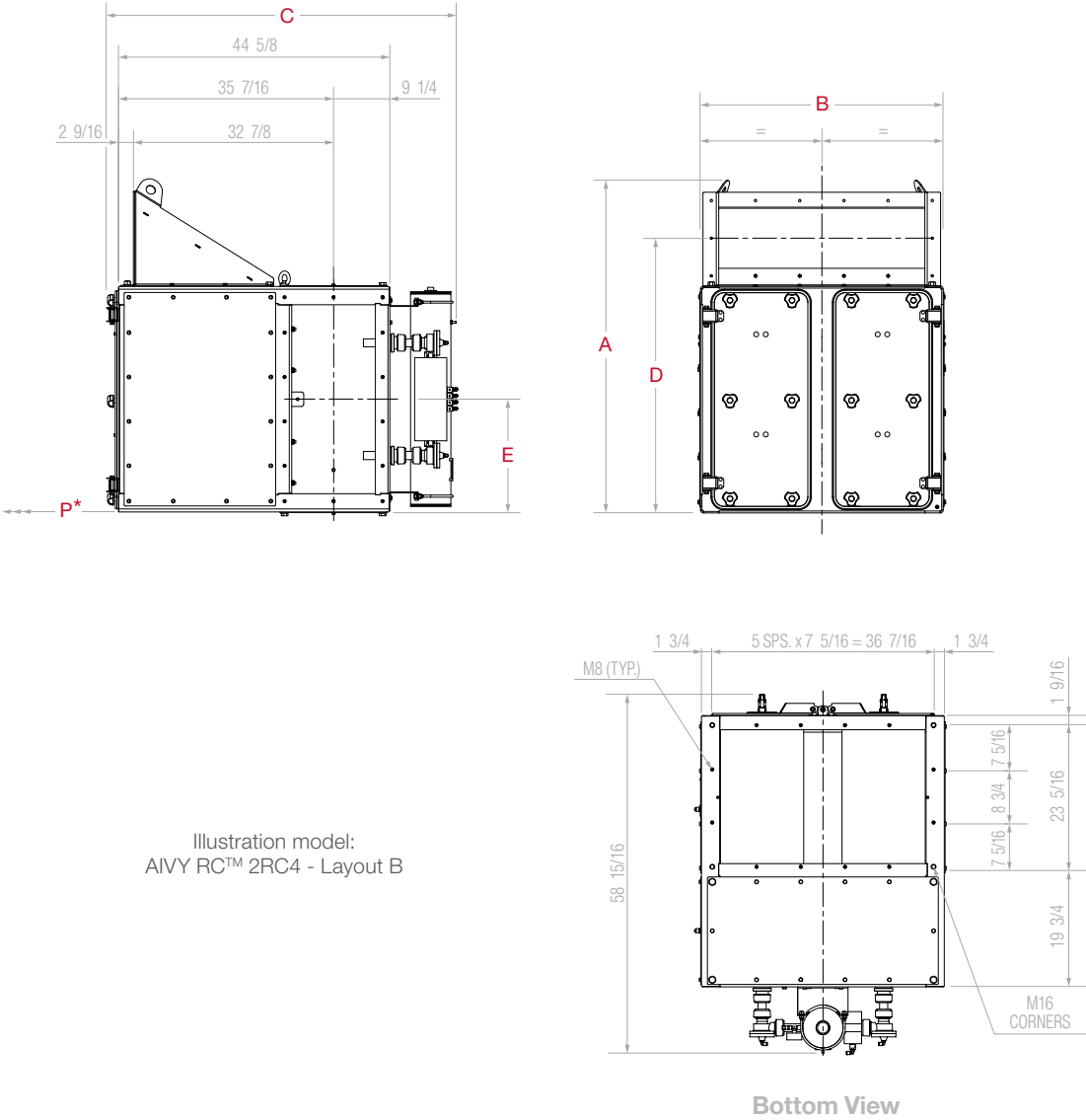
Design | Engineering | Manufacturing | Maintenance | Spare Parts

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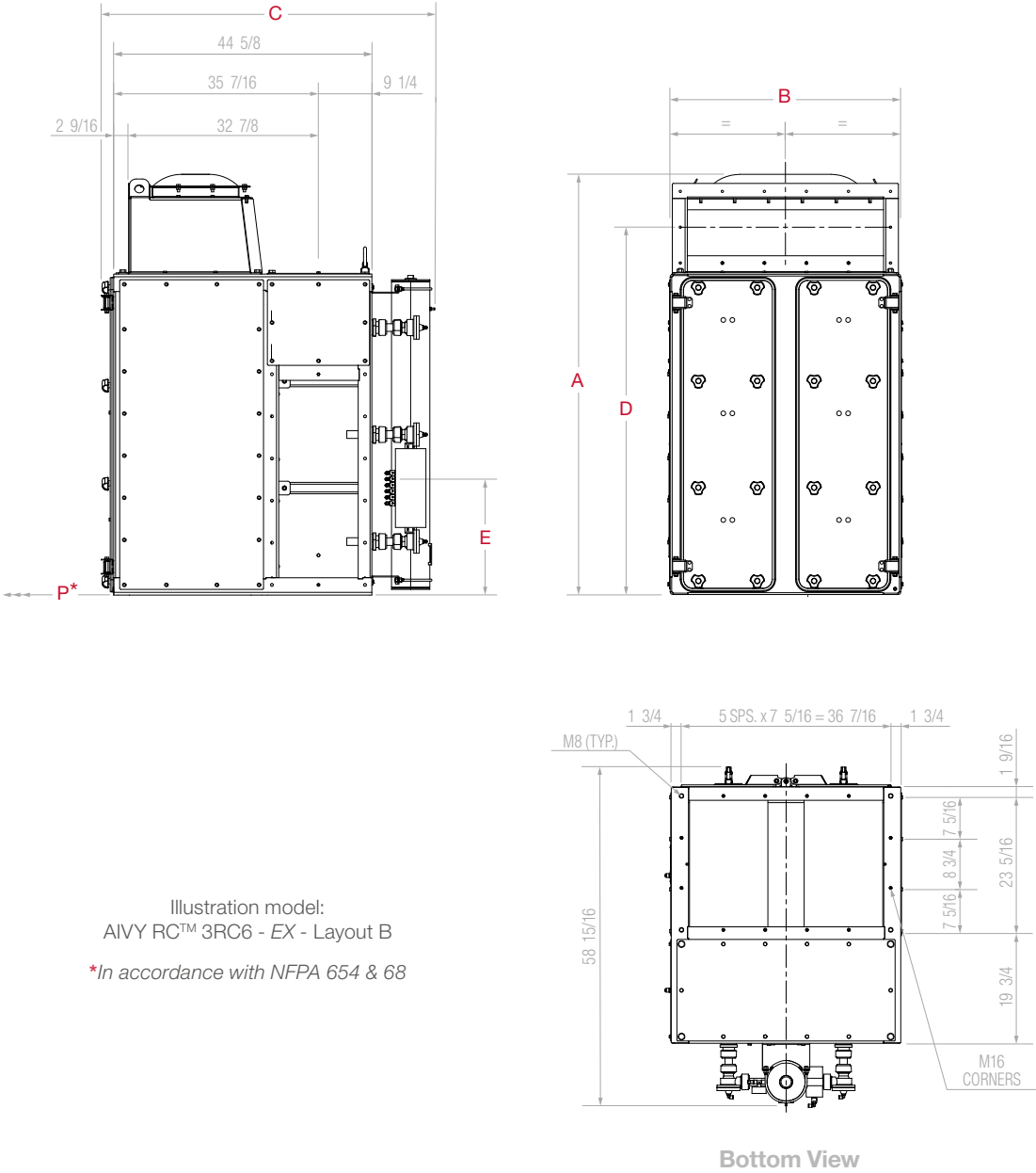
AIVY^{RC™} Layout B



Characteristics			Dimensions						Weight
Model	No. of cartridges	Filtering surface (ft²)	Height (in)	Width (in)	Length (in)	Inlet height (in)	Outlet height (in)	Maintenance distance (in)	Weight (lbs)
			A	B	C	D	E	P*	
2RC4	4	861	54 5/8	39 15/16	58 15/16	45 1/8	18 1/12	32 11/16	666
3RC6	6	1292	73 1/8	39 15/16	58 15/16	63 5/8	20	32 11/16	888

* P: Minimum maintenance distance. If space limitations exist, consult with AAF International.

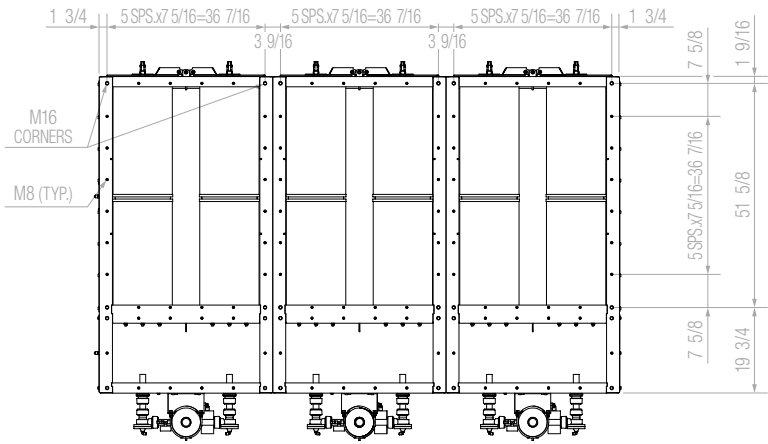
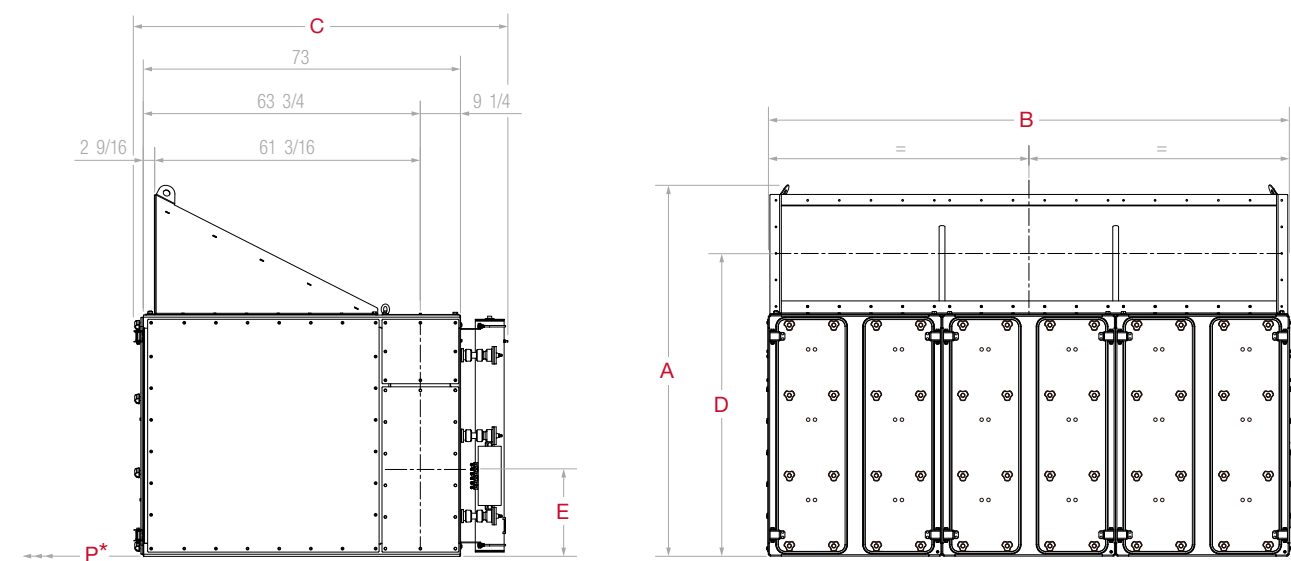
AIVY^{RC™ EX} Layout B



Characteristics			Dimensions						Weight
Model	No. of cartridges	Filtering surface (ft²)	Height (in)	Width (in)	Length (in)	Inlet height (in)	Outlet height (in)	Maintenance distance (in)	Weight (lb)
			A	B	C	D	E	P*	
2RC4	4	861	54 1/4	39 15/16	58 15/16	45 1/8	18 1/2	32 11/16	697
3RC6	6	1292	72 3/4	39 15/16	58 15/16	63 5/8	20	32 11/16	919

* P: Minimum maintenance distance. If space limitations exist, consult with AAF International.

AIVY^{RC™} Layout B



Bottom View

Illustration model:
AIVY RC™ 3RC36 - Layout B

Characteristics			Dimensions						Weight
Model	No. of cartridges	Filtering surface (ft²)	Height (in)	Width (in)	Length (in)	Inlet height (in)	Outlet height (in)	Maintenance distance (in)	Weight (lbs)
			A	B	C	D	E	P*	
2RC8	8	1722	66 7/8	39 15/16	87 5/16	51 1/8	18 1/2	32 11/16	974
2RC16	16	3444	66 7/8	79 15/16	87 5/16	51 1/8	18 1/2	32 11/16	1667
2RC24	24	5167	66 7/8	119 7/8	87 5/16	51 1/8	18 1/2	32 11/16	2308
2RC32	32	6889	66 7/8	159 13/16	87 5/16	51 1/8	18 1/2	32 11/16	3104
2RC40	40	8611	66 7/8	199 13/16	87 5/16	51 1/8	18 1/2	32 11/16	3770
3RC12	12	2583	85 3/8	39 15/16	87 5/16	69 5/8	20	32 11/16	1287
3RC24	24	5167	85 3/8	79 15/16	87 5/16	69 5/8	20	32 11/16	2205
3RC36	36	7750	85 3/8	119 7/8	87 5/16	69 5/8	20	32 11/16	3075
3RC48	48	10333	85 3/8	159 13/16	87 5/16	69 5/8	20	32 11/16	4103
3RC60	60	12917	85 3/8	199 13/16	87 5/16	69 5/8	20	32 11/16	4991
3RC72	72	15500	85 3/8	239 3/4	87 5/16	69 5/8	20	32 11/16	5886
4RC16	16	3444	103 7/8	39 15/16	87 5/16	88 1/8	18 1/2	32 11/16	1914
4RC32	32	6889	103 7/8	79 15/16	87 5/16	88 1/8	18 1/2	32 11/16	2707
4RC48	48	10333	103 7/8	119 7/8	87 5/16	88 1/8	18 1/2	32 11/16	3785
4RC64	64	13778	103 7/8	159 13/16	87 5/16	88 1/8	18 1/2	32 11/16	5027
4RC80	80	17222	103 7/8	199 13/16	87 5/16	88 1/8	18 1/2	32 11/16	6129
4RC96	96	20667	103 7/8	239 3/4	87 5/16	88 1/8	18 1/2	32 11/16	7229
4RC112	112	24111	103 7/8	279 3/4	87 5/16	88 1/8	18 1/2	32 11/16	8470
4RC128	128	27556	103 7/8	319 11/16	87 5/16	88 1/8	18 1/2	32 11/16	9559

* P: Minimum maintenance distance. If space limitations exist, consult with AAF International.

* The AIVY RC™ of more than 3 modules, shall be comprised of combinations of AIVY RC™ 2 and 3 module equipment.

AIVY^{RC™} EX

Layout B

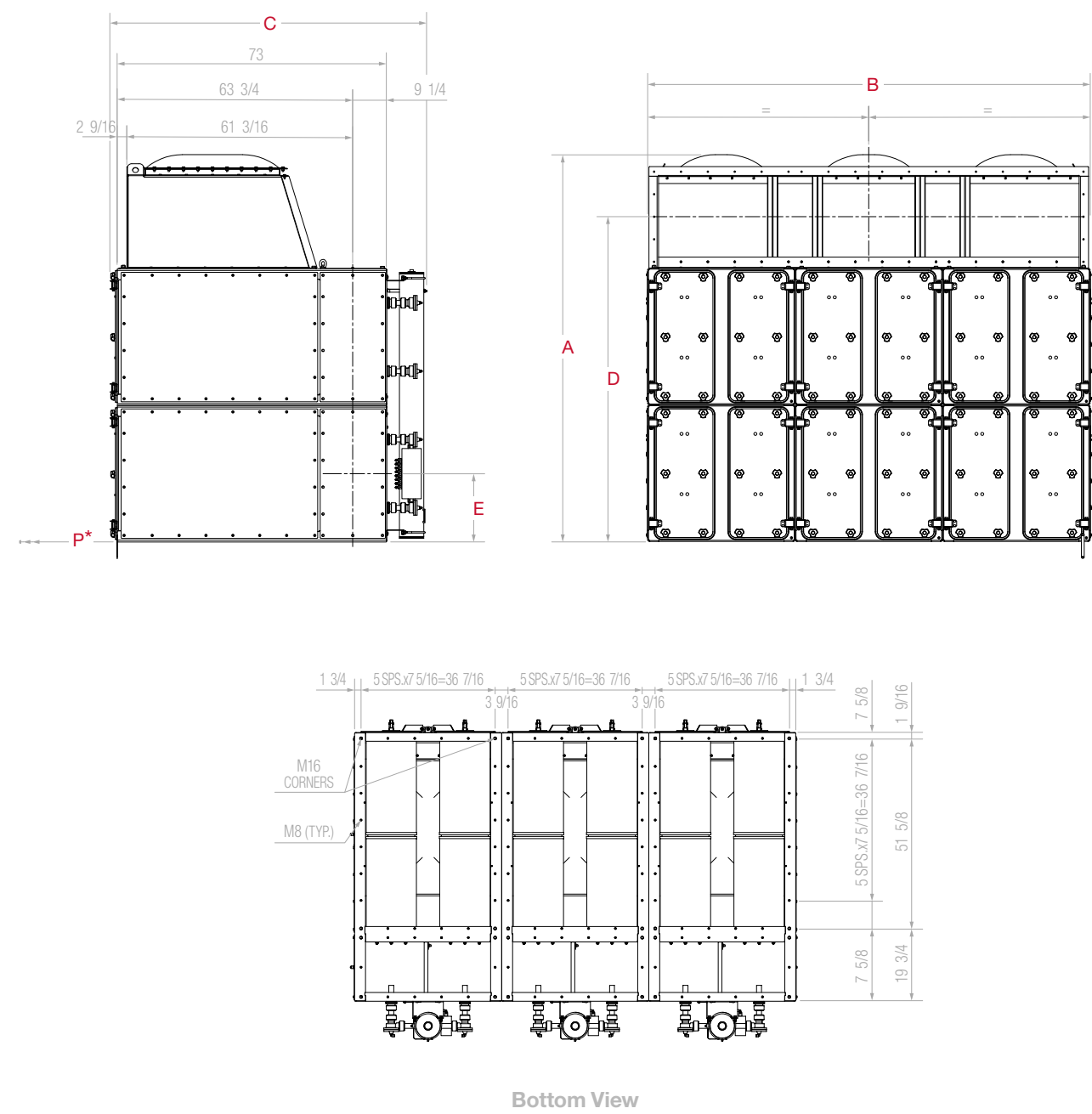


Illustration model:
AIVY RC™ 4RC48 - EX* - Layout B
*In accordance with NFPA 654 & 68

Characteristics			Dimensions						Weight
Model	No. of cartridges	Filtering surface (ft²)	Height (in)	Width (in)	Length (in)	Inlet height (in)	Outlet height (in)	Maintenance distance (in)	Weight (lbs)
			A	B	C	D	E	P*	
2RC8	8	1722	67 15/16	39 15/16	87 15/16	51 1/8	18 1/2	32 11/16	974
2RC16	16	3444	67 15/16	79 15/16	87 15/16	51 1/8	18 1/2	32 11/16	1667
2RC24	24	5167	67 15/16	119 7/8	87 15/16	51 1/8	18 1/2	32 11/16	2308
2RC32	32	6889	67 15/16	159 13/16	87 15/16	51 1/8	18 1/2	32 11/16	3104
2RC40	40	8611	67 15/16	199 13/16	87 15/16	51 1/8	18 1/2	32 11/16	3770
3RC12	12	2583	86 7/16	39 15/16	87 15/16	69 5/8	20	32 11/16	1287
3RC24	24	5167	86 7/16	79 15/16	87 15/16	69 5/8	20	32 11/16	2205
3RC36	36	7750	86 7/16	119 7/8	87 15/16	69 5/8	20	32 11/16	3075
3RC48	48	10333	86 7/16	159 13/16	87 15/16	69 5/8	20	32 11/16	4103
3RC60	60	12917	86 7/16	199 13/16	87 15/16	69 5/8	20	32 11/16	4991
3RC72	72	15500	86 7/16	239 3/4	87 15/16	69 5/8	20	32 11/16	5886
4RC16	16	3444	104 15/16	39 15/16	87 15/16	88 1/8	18 1/2	32 11/16	1914
4RC32	32	6889	104 15/16	79 15/16	87 15/16	88 1/8	18 1/2	32 11/16	2707
4RC48	48	10333	104 15/16	119 7/8	87 15/16	88 1/8	18 1/2	32 11/16	3785
4RC64	64	13778	104 15/16	159 13/16	87 15/16	88 1/8	18 1/2	32 11/16	5027
4RC80	80	17222	104 15/16	199 13/16	87 15/16	88 1/8	18 1/2	32 11/16	6129
4RC96	96	20667	104 15/16	239 3/4	87 15/16	88 1/8	18 1/2	32 11/16	7229
4RC112	112	24111	104 15/16	279 3/4	87 15/16	88 1/8	18 1/2	32 11/16	8470
4RC128	128	27556	104 15/16	319 11/16	87 15/16	88 1/8	18 1/2	32 11/16	9559

* P: Minimum maintenance distance. If space limitations exist, consult with AAF International.

* The AIVY RC™ of more than 3 modules, shall be comprised of combinations of AIVY RC™ 2 and 3 module equipment.

AIVY^{RC™} Layout C

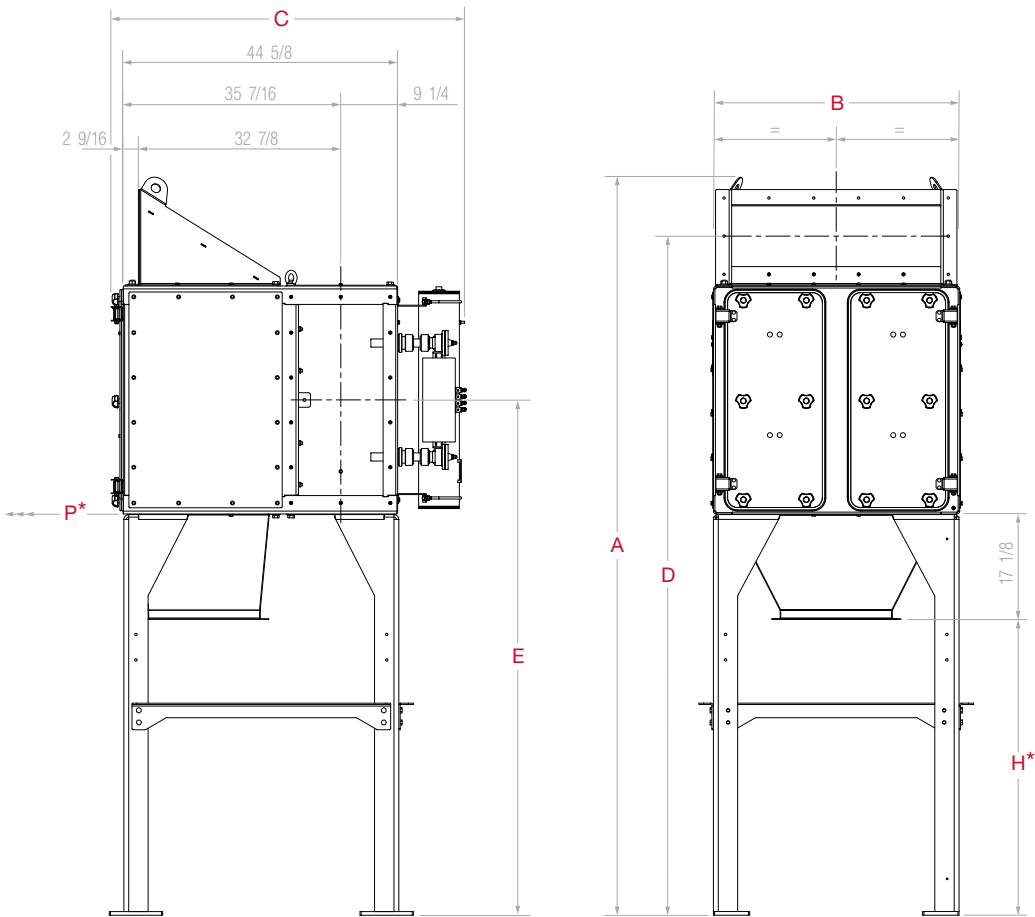


Illustration model:
AIVY RC™ 2RC4 - Layout C

Characteristics			Dimensions							Weight
Model	No. of cartridges	Filtering surface (ft²)	Height (in)	Width (in)	Length (in)	Inlet height (in)	Outlet height (in)	Height hopper-floor (in)	Maintenance distance (in)	Weight (lbs)
			A	B	C	D	E	H*	P*	
2RC4	4	861	119 13/16	39 15/16	58 15/16	110 1/4	83 11/16	48 1/16	32 11/16	1021
3RC6	6	1292	138 5/16	39 15/16	58 15/16	128 3/4	85 1/8	48 1/16	32 11/16	1243

- * P: Minimum maintenance distance. If space limitations exist, consult with AAF International.
- * The height dimensions A, D and E of the unit are calculated based on a discharge height (H) of 48 1/16 in. Discharge heights of 14 3/16 in and 77 9/16 in are available on request.

AIVY^{RC™ EX} Layout C

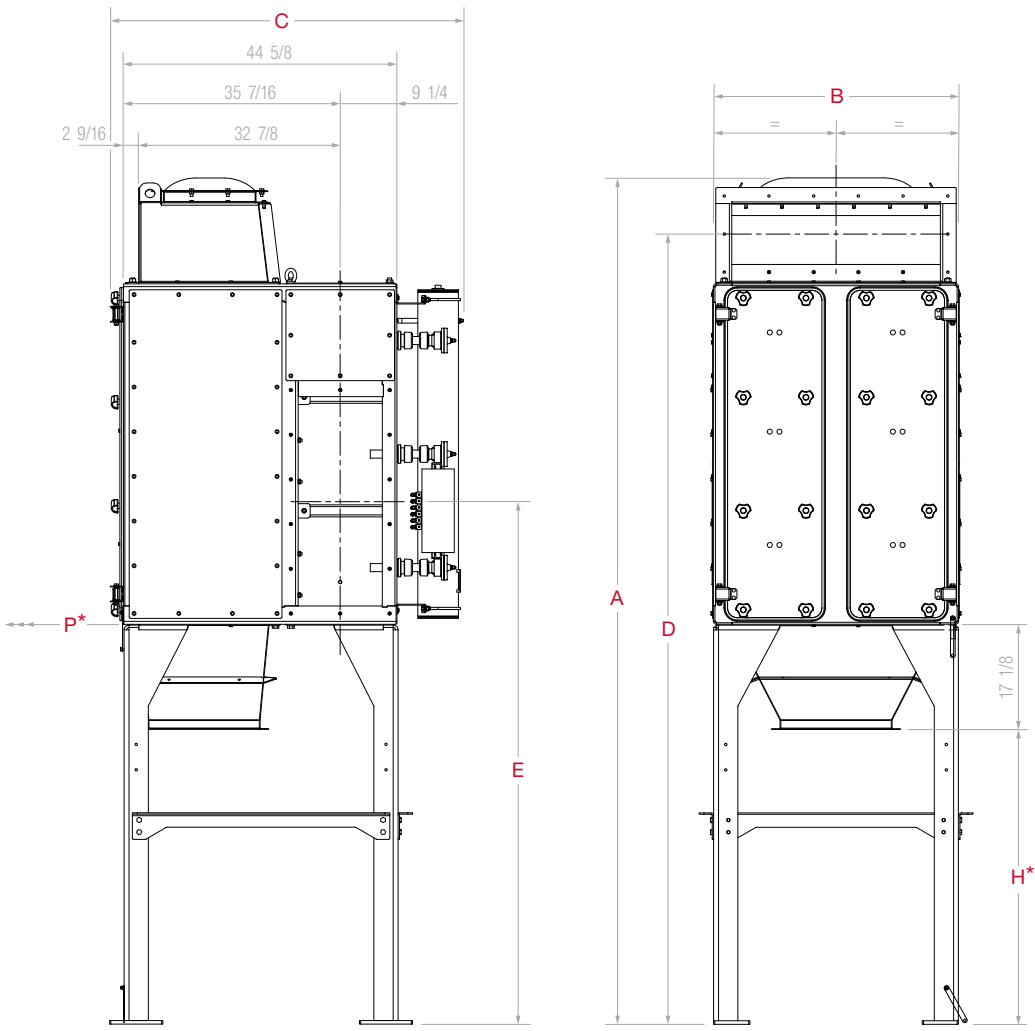


Illustration model:
AIVY RC™ 3RC6 - EX* - Layout C

*In accordance with NFPA 654 & 68

Characteristics			Dimensions							Weight
Model	No. of cartridges	Filtering surface (ft²)	Height (in)	Width (in)	Length (in)	Inlet height (in)	Outlet height (in)	Height hopper-floor (in)	Maintenance distance (in)	Weight (lbs)
			A	B	C	D	E	H*	P*	
2RC4	4	861	119 7/16	39 15/16	58 15/16	110 1/4	83 11/16	48 1/16	32 11/16	1060
3RC6	6	1292	137 15/16	39 15/16	58 15/16	128 3/4	85 1/8	48 1/16	32 11/16	1285

- * P: Minimum maintenance distance. If space limitations exist, consult with AAF International.
- * The height dimensions A, D and E of the unit are calculated based on a discharge height (H) of 48 1/16 in. Discharge heights of 14 3/16 in and 77 9/16 in are available on request.

AIVY^{RC™} Layout C

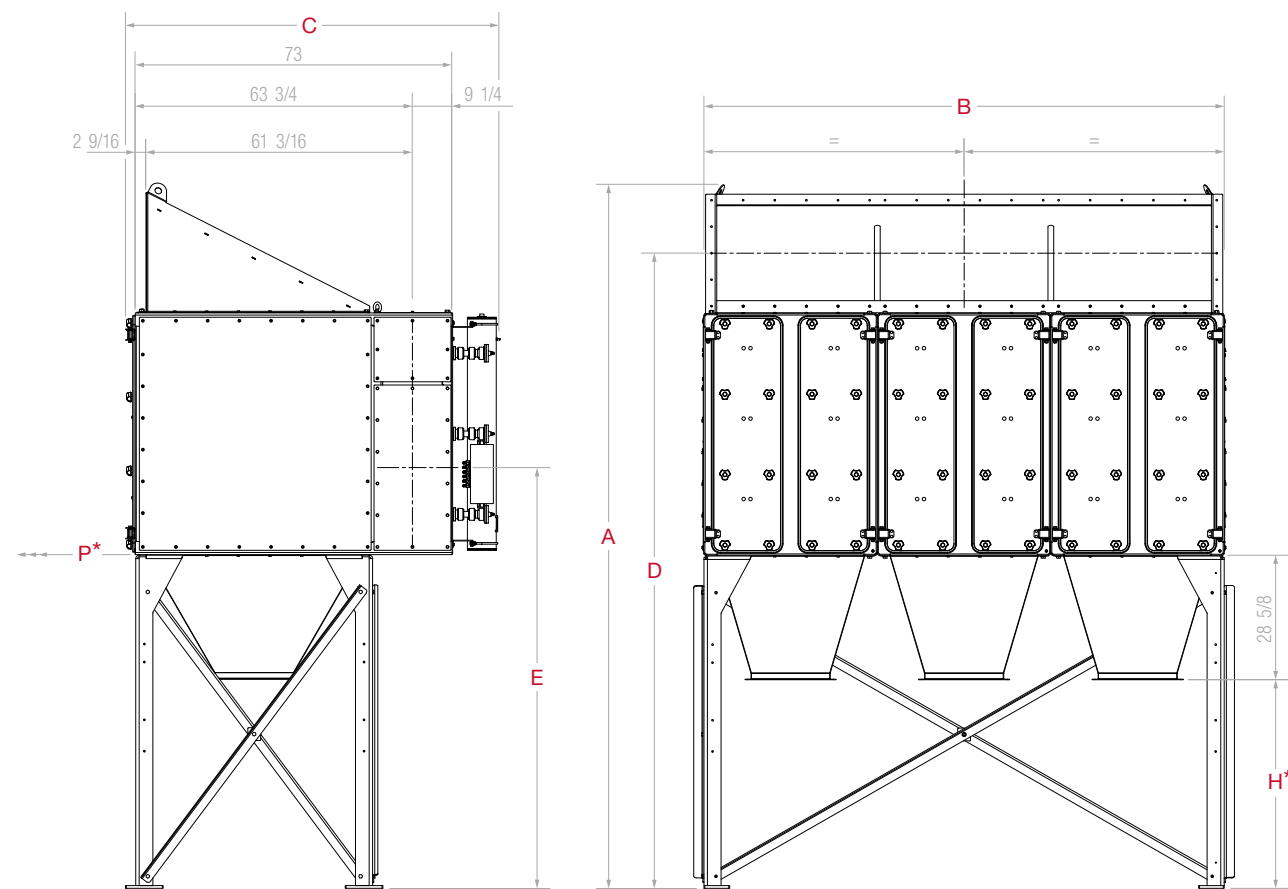


Illustration model:
AIVY RC™ 3RC36 - Layout C

Characteristics			Dimensions							Weight
Model	No. of cartridges	Filtering surface (ft²)	Height (in)	Width (in)	Length (in)	Inlet height (in)	Outlet height (in)	Height hopper-floor (in)	Maintenance distance (in)	Weight (lbs)
			A	B	C	D	E	H*	P*	
2RC8	8	1722	143 1/2	39 15/16	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	1583
2RC16	16	3444	143 1/2	79 15/16	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	2427
2RC24	24	5167	143 1/2	119 7/8	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	3223
2RC32	32	6889	143 1/2	159 13/16	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	4575
2RC40	40	8611	143 1/2	199 13/16	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	5395
3RC12	12	2583	162	39 15/16	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	1896
3RC24	24	5167	162	79 15/16	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	2967
3RC36	36	7750	162	119 7/8	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	3990
3RC48	48	10333	162	159 13/16	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	5573
3RC60	60	12917	162	199 13/16	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	6616
3RC72	72	15500	162	239 3/4	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	7665
4RC16	16	3444	180 1/2	39 15/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	2189
4RC32	32	6889	180 1/2	79 15/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	3468
4RC48	48	10333	180 1/2	119 7/8	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	4700
4RC64	64	13778	180 1/2	159 13/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	6499
4RC80	80	17222	180 1/2	199 13/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	7754
4RC96	96	20667	180 1/2	239 3/4	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	9008
4RC112	112	24111	180 1/2	279 3/4	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	10807
4RC128	128	27556	180 1/2	319 11/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	12050

- * P: Minimum maintenance distance. If space limitations exist, consult with AAF International.
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- * The height dimensions A, D and E of the unit are calculated based on a discharge height (H) of 48 1/16 in. Discharge heights of 14 3/16 in and 77 9/16 in are available on request.

AIVY RC™ EX Layout C

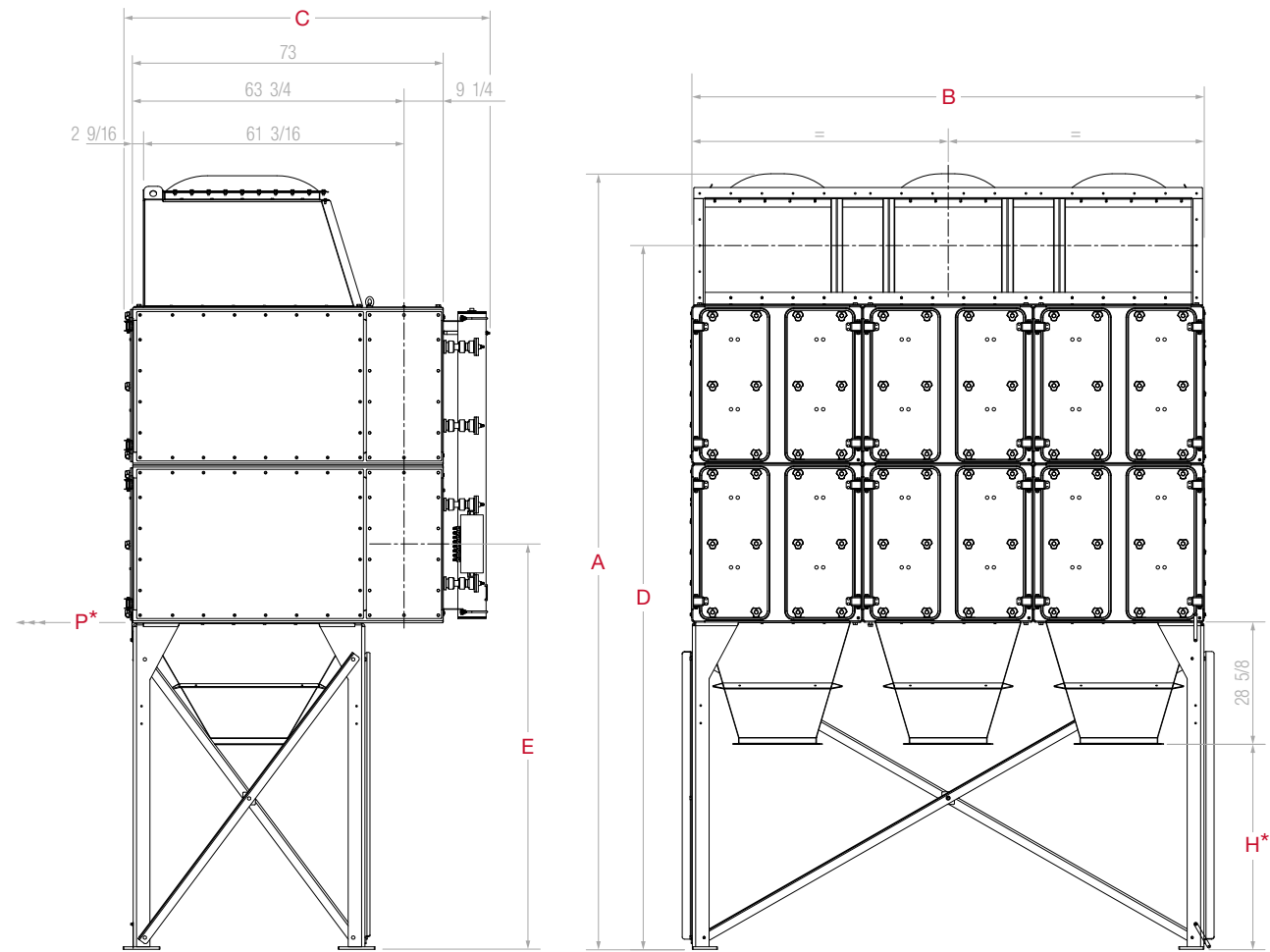
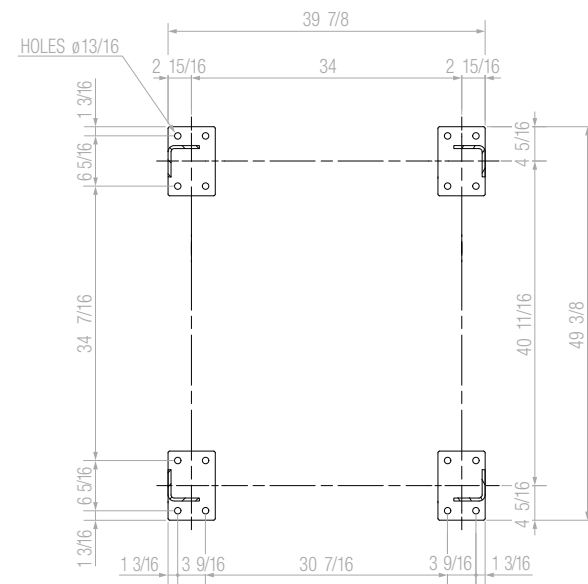


Illustration model:
AIVY RC™ 4RC48 - EX* - Layout C
*In accordance with NFPA 654 & 68

Characteristics			Dimensions							Weight
Model	No. of cartridges	Filtering surface (ft²)	Height (in)	Width (in)	Length (in)	Inlet height (in)	Outlet height (in)	Height hopper-floor (in)	Maintenance distance (in)	Weight (lbs)
			A	B	C	D	E	H*	P*	
2RC8	8	1722	144 9/16	39 15/16	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	1691
2RC16	16	3444	144 9/16	79 15/16	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	2619
2RC24	24	5167	144 9/16	119 7/8	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	3486
2RC32	32	6889	144 9/16	159 13/16	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	4945
2RC40	40	8611	144 9/16	199 13/16	87 5/16	127 3/4	95 3/16	48 1/16	32 11/16	5836
3RC12	12	2583	163 1/16	39 15/16	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	2006
3RC24	24	5167	163 1/16	79 15/16	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	3172
3RC36	36	7750	163 1/16	119 7/8	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	4266
3RC48	48	10333	163 1/16	159 13/16	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	3752
3RC60	60	12917	163 1/16	199 13/16	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	7070
3RC72	72	15500	163 1/16	239 3/4	87 5/16	146 1/4	96 5/8	48 1/16	32 11/16	8186
4RC16	16	3444	181 9/16	39 15/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	2352
4RC32	32	6889	181 9/16	79 15/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	3719
4RC48	48	10333	181 9/16	119 7/8	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	5035
4RC64	64	13778	181 9/16	159 13/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	6949
4RC80	80	17222	181 9/16	199 13/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	8292
4RC96	96	20667	181 9/16	239 3/4	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	9645
4RC112	112	24111	181 9/16	279 3/4	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	11561
4RC128	128	27556	181 9/16	319 11/16	87 5/16	164 3/4	95 3/16	48 1/16	32 11/16	12906

- * P: Minimum maintenance distance. If space limitations exist, consult with AAF International.
- * The AIVY RC™ of more than 3 modules, shall be comprised of combinations of AIVY RC™ 2 and 3 module equipment.
- * The height dimensions A, D and E of the unit are calculated based on a discharge height (H) of 48 1/16 in. Discharge heights of 14 3/16 in and 77 9/16 in are available on request.

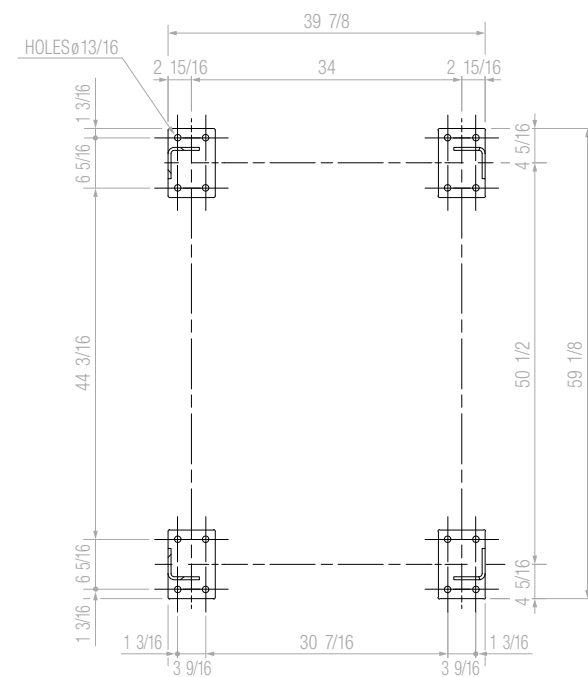
Structure



Models

2RC4
3RC6

1 module

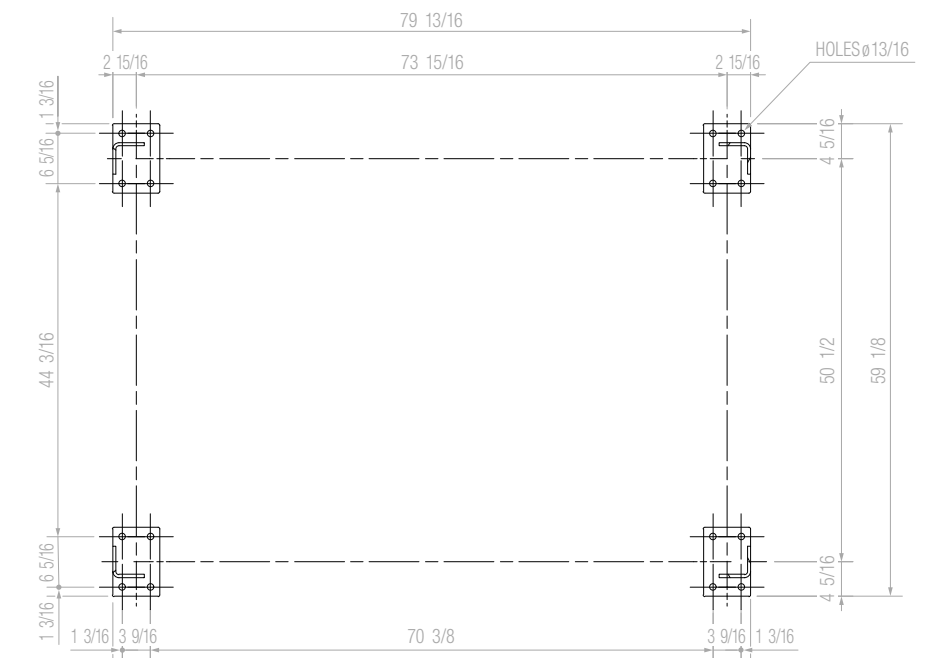


Models

2RC8
3RC12
4RC16

 The AIVY RC™ of more than 3 modules, shall be comprised of combinations of AIVY RC™ 2 and 3 module equipment.

2 modules



Models

2RC16	2RC32	2RC40	-	-
3RC24	3RC48	3RC60	-	-
4RC32	4RC64	4RC80	4RC112	4RC128

3 modules

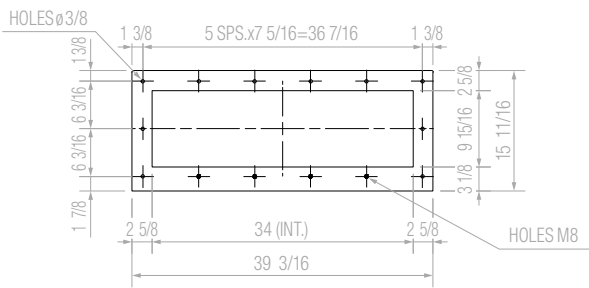


Models

2RC24	2RC40	-	-	-
3RC36	3RC60	3RC72	-	-
4RC48	4RC80	4RC96	4RC112	4RC128

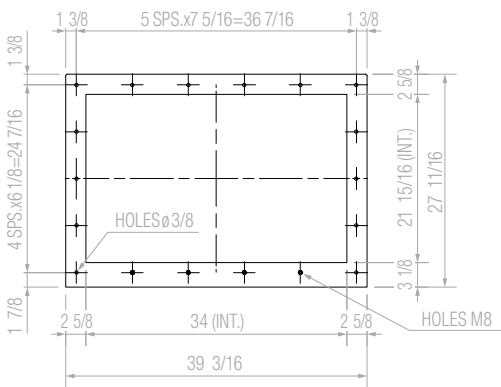
 The AIVY RC™ of more than 3 modules, shall be comprised of combinations of AIVY RC™ 2 and 3 module equipment.

Inlet flanges



Models
2RC4
3RC6

1 module

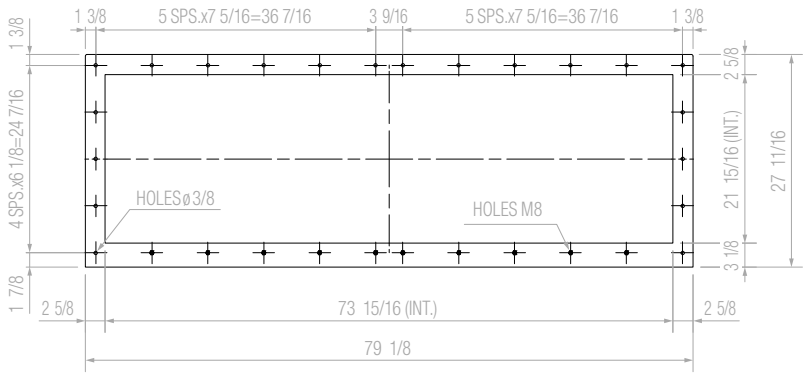


Models
2RC8
3RC12
4RC16

* The AIVY RC™ of more than 3 modules, shall be comprised of combinations of AIVY RC™ 2 and 3 module equipment.

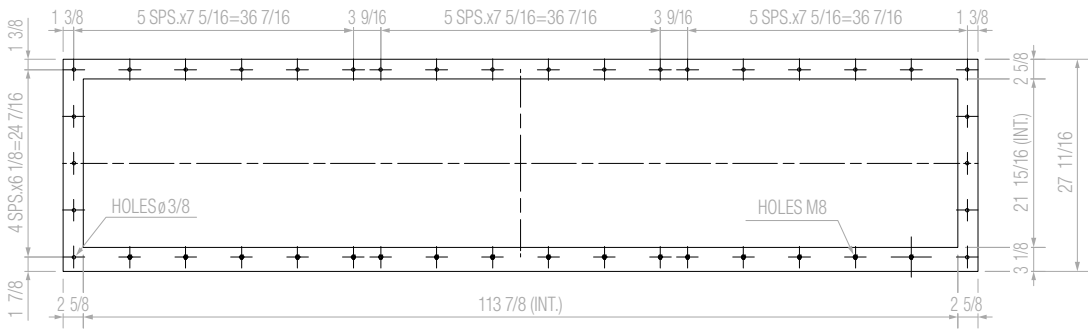
* SPS = spaces

2 modules



Models				
2RC16	2RC32	2RC40	-	-
3RC24	3RC48	3RC60	-	-
4RC32	4RC64	4RC80	4RC112	4RC128

3 modules

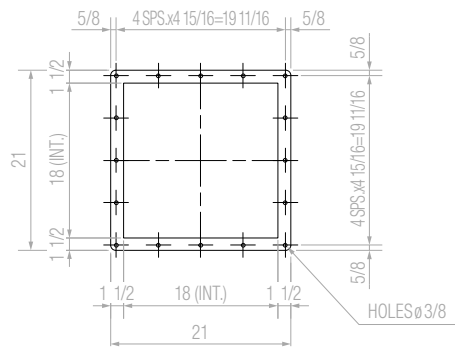


Models				
2RC24	2RC40	-	-	-
3RC36	3RC60	3RC72	-	-
4RC48	4RC80	4RC96	4RC112	4RC128

* The AIVY RC™ of more than 3 modules, shall be comprised of combinations of AIVY RC™ 2 and 3 module equipment.

* SPS = spaces

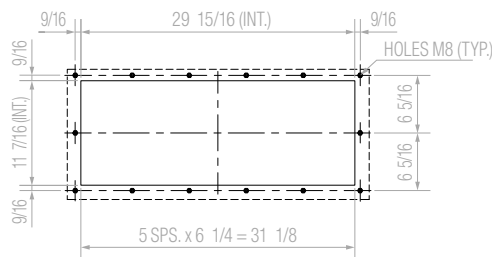
Discharge flange



* SPS = spaces

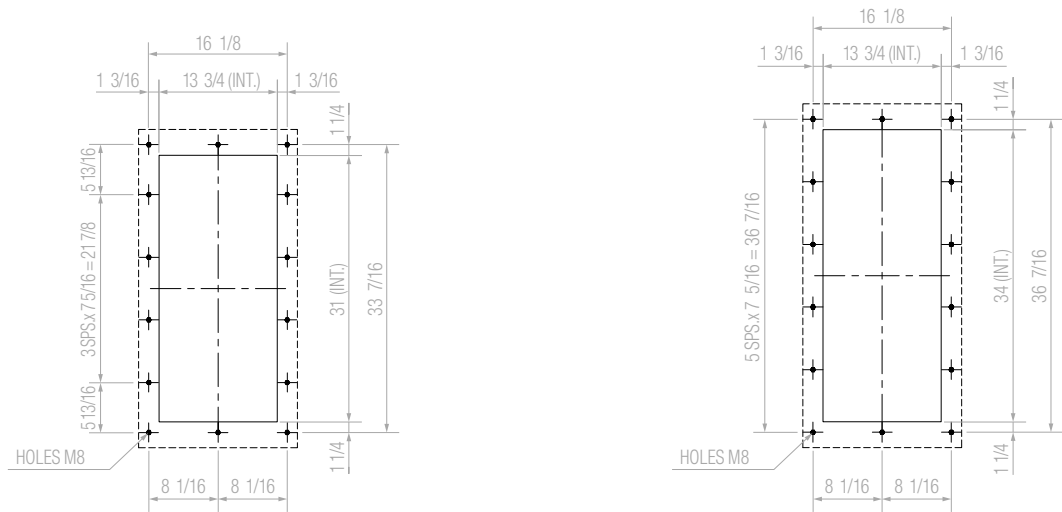
Outlet flange

Bottom outlet flange



Models
2RC4
3RC6

Side outlet flange



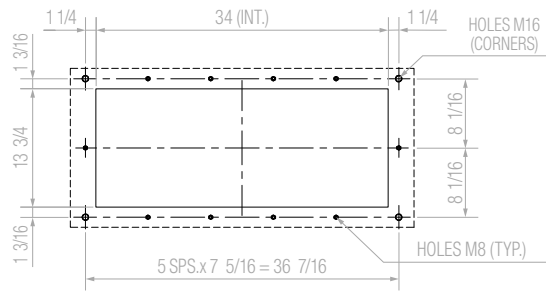
Models		
2RC4	2RC8	2RC16
4RC16	4RC32	-

Models		
3RC6	3RC12	3RC24

* The AIVY RC™ of more than 3 modules, shall be comprised of combinations of AIVY RC™ 2 and 3 module equipment.

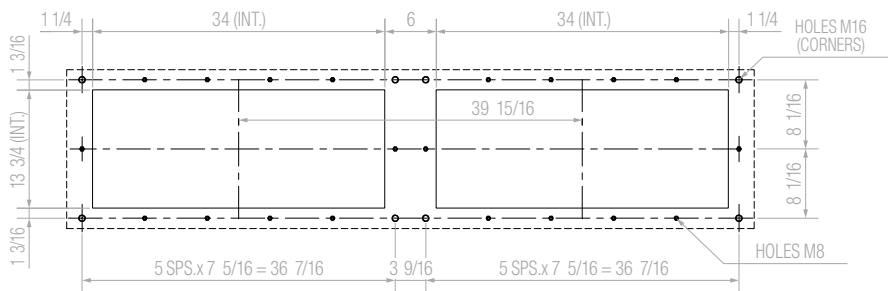
* SPS = spaces

Bottom and top outlet flange - 1 module



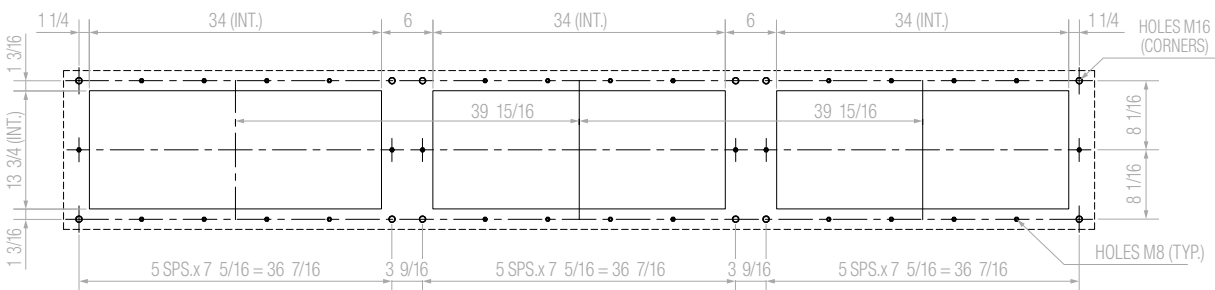
	Models
Top outlet	2RC4 3RC6 2RC8 3RC12 4RC16
Bottom outlet	- - 2RC8 3RC12 4RC16

Bottom and top outlet flange - 2 modules



Models
2RC16 2RC32 2RC40 - -
3RC24 3RC48 3RC60 - -
4RC32 4RC64 4RC80 4RC112 4RC128

Bottom and top outlet flange - 3 modules



Models
2RC24 2RC40 - - -
3RC36 3RC60 3RC72 - -
4RC48 4RC80 4RC96 4RC112 4RC128

* The AIVY RC™ of more than 3 modules, shall be comprised of combinations of AIVY RC™ 2 and 3 module equipment.

* SPS = spaces

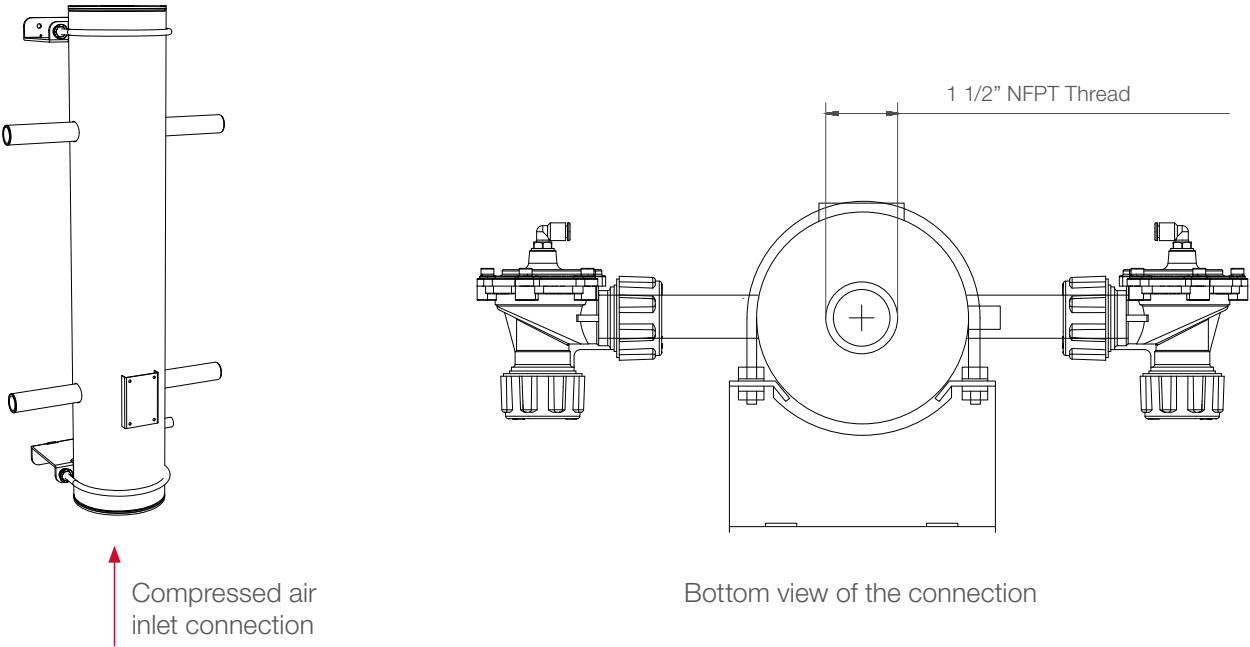
Cleaning system

Compressed air consumption

Size	Required air CFM
2RC4	2.65
2RC8	3
3RC6	2.65
3RC12	3
4RC16	3

 Maximum recommended pressure: 100 psi

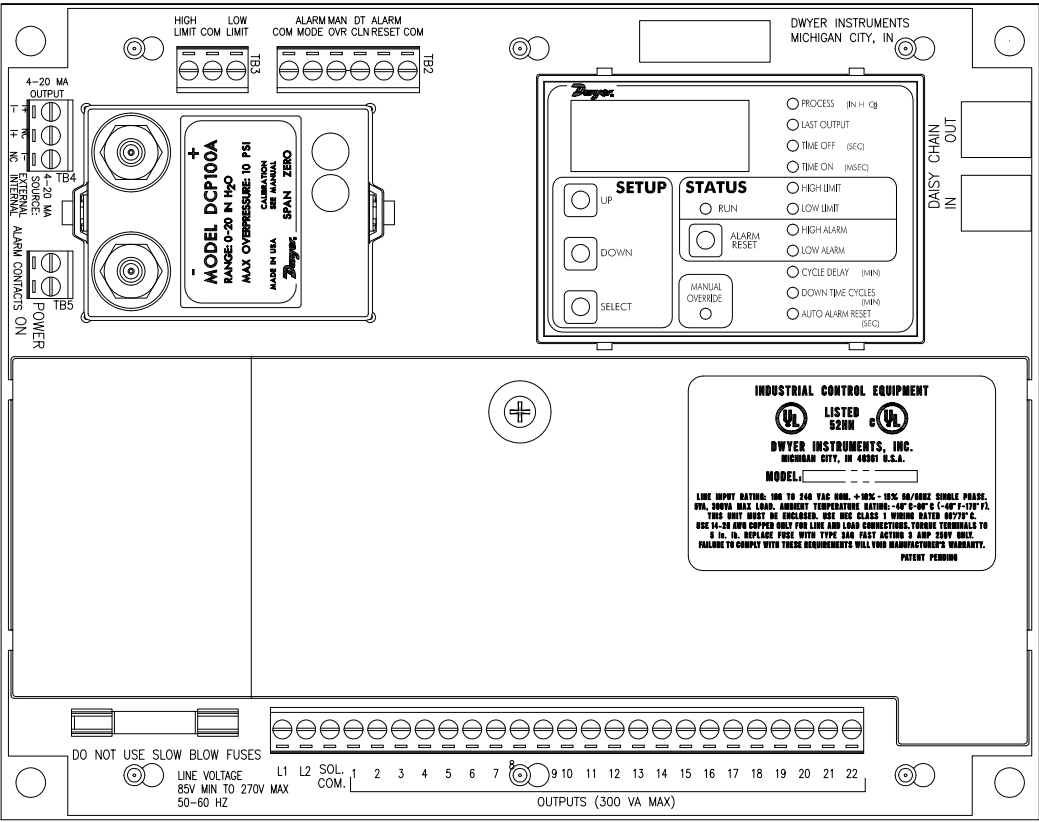
Compressed air connection



Pulse Controller

Cleaning Controller

Power	85 to 270 VAC, 50 or 60 Hz
Fuses	3A @ 250 VAC. Low voltage control circuitry is isolated from the line voltage for system safety.
Operating temperature	-40 to 140 F
Solenoid Supply	3A maximum per channel
On Time	10 ms to 600 ms, 10 ms steps
Off Time	1 s to 255 s, 1 s steps
Pressure Range	0" to 10" w.c.
Output Signal	4-20 mA
Alarm Contacts	1.5A inductive load, 3A resistive load @ 30 VAC or 40 VDC
Process Connections	Two barbed connections for use with 1/8" or 3/16" ID tubing
Agency Approvals	UL, cUL





Bringing clean air to life.®

A light gray world map is centered in the background of the page, showing the continents of North America, South America, Europe, Africa, Asia, and Australia.

AAF International

Filtration has been at the heart of our business since 1921 and thanks to the high caliber of our products and services, we are trusted by many of the world's leading power and industrial companies. We provide our customers with the expertise, the solutions and the best available filtration technology to increase operational performance. Bringing clean air to life, our products provide the highest levels of indoor air quality, the lowest environmental emissions and the optimum safety conditions for employees and the wider community.

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