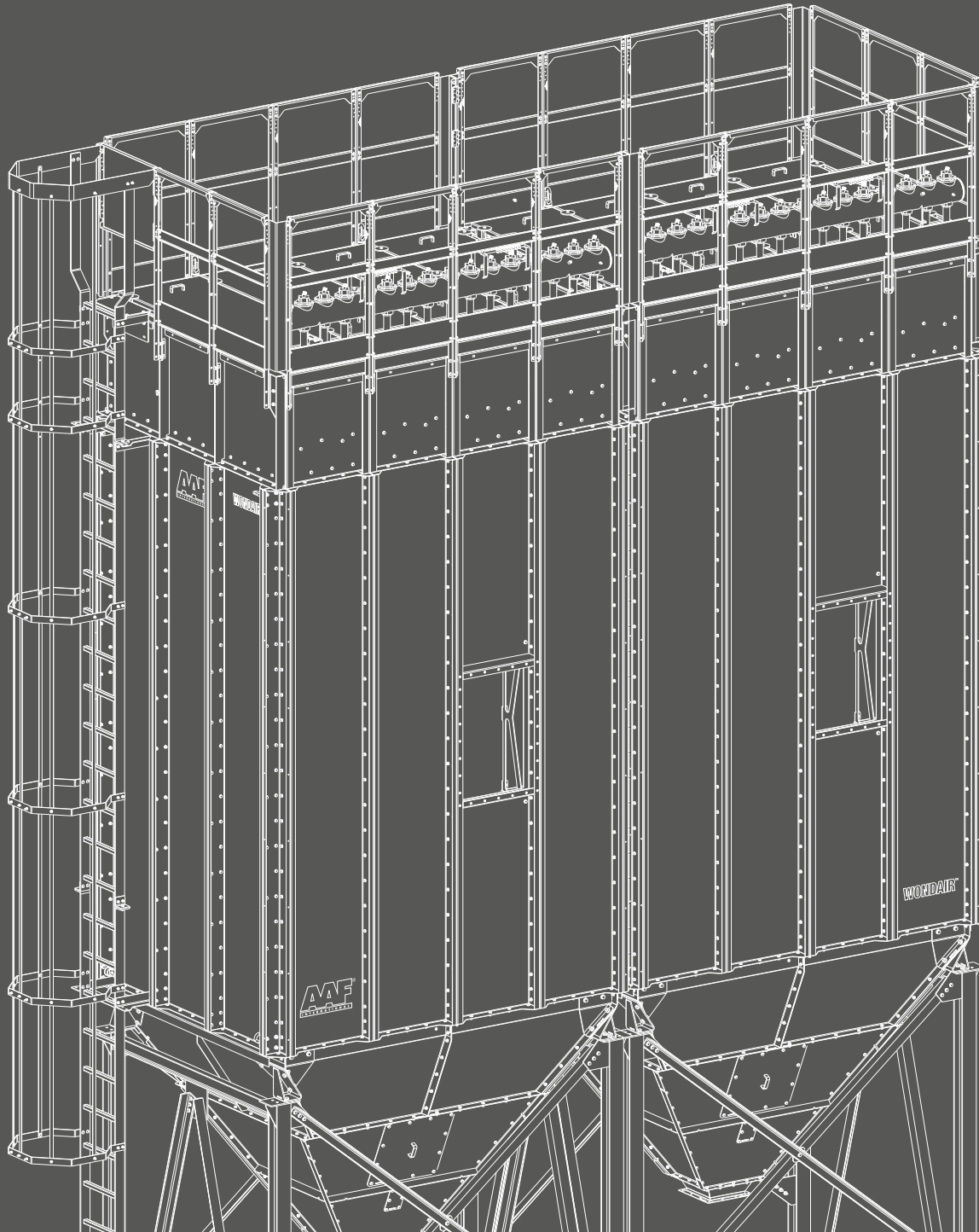


WONDAIR™ Max

Datasheet



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WONDAIR™ Max versions

Versions

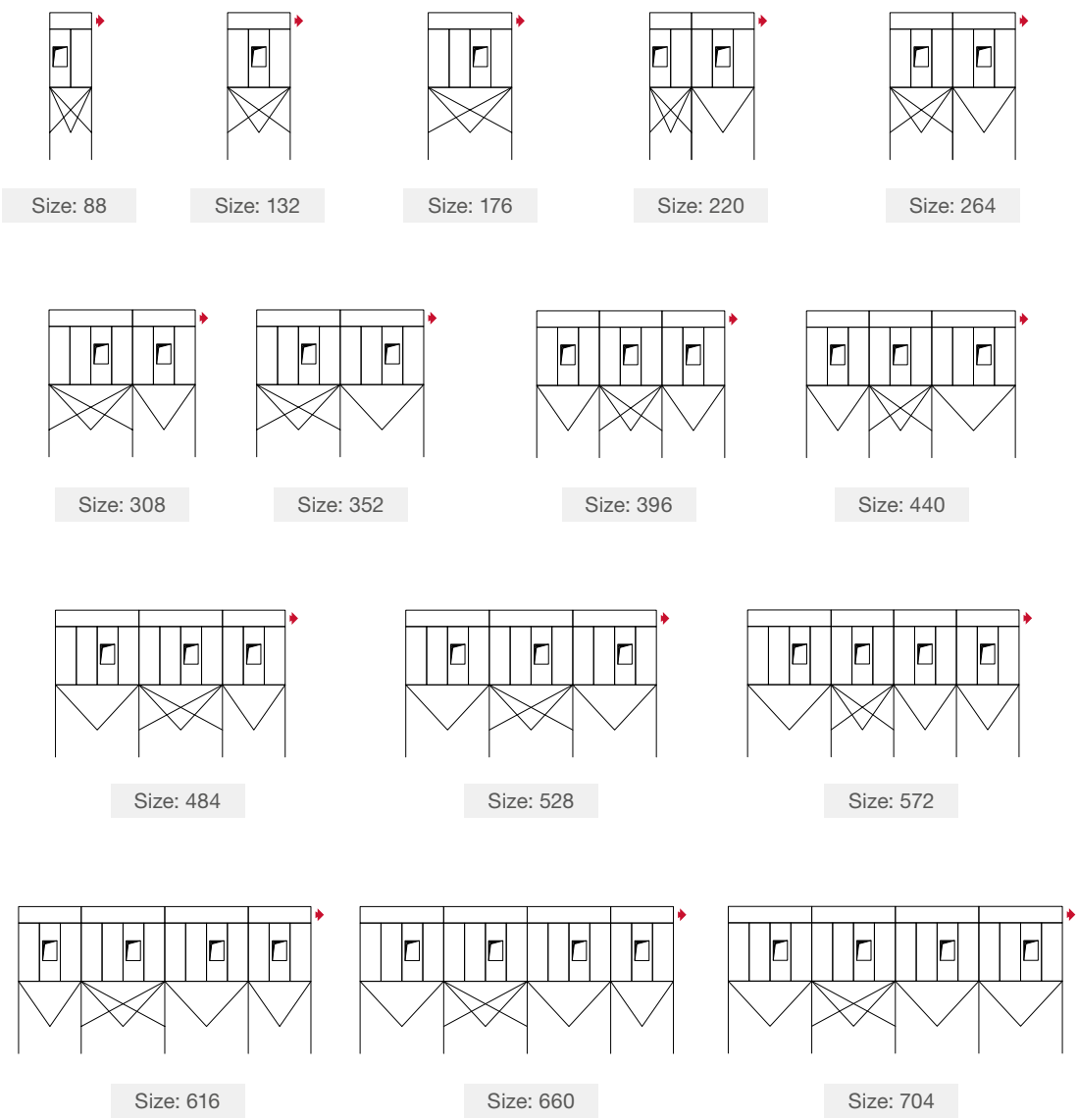
WONDAIR™ Max versions		
No ATEX	Basic	Left / Right
	Reinforced	Left / Right
	High temperature	Left / Right
ATEX	ATEX Prot. Case-1	Left / Right
	ATEX Prot. Case-3	Left / Right

WONDAIR™ Max
standard electrical voltages

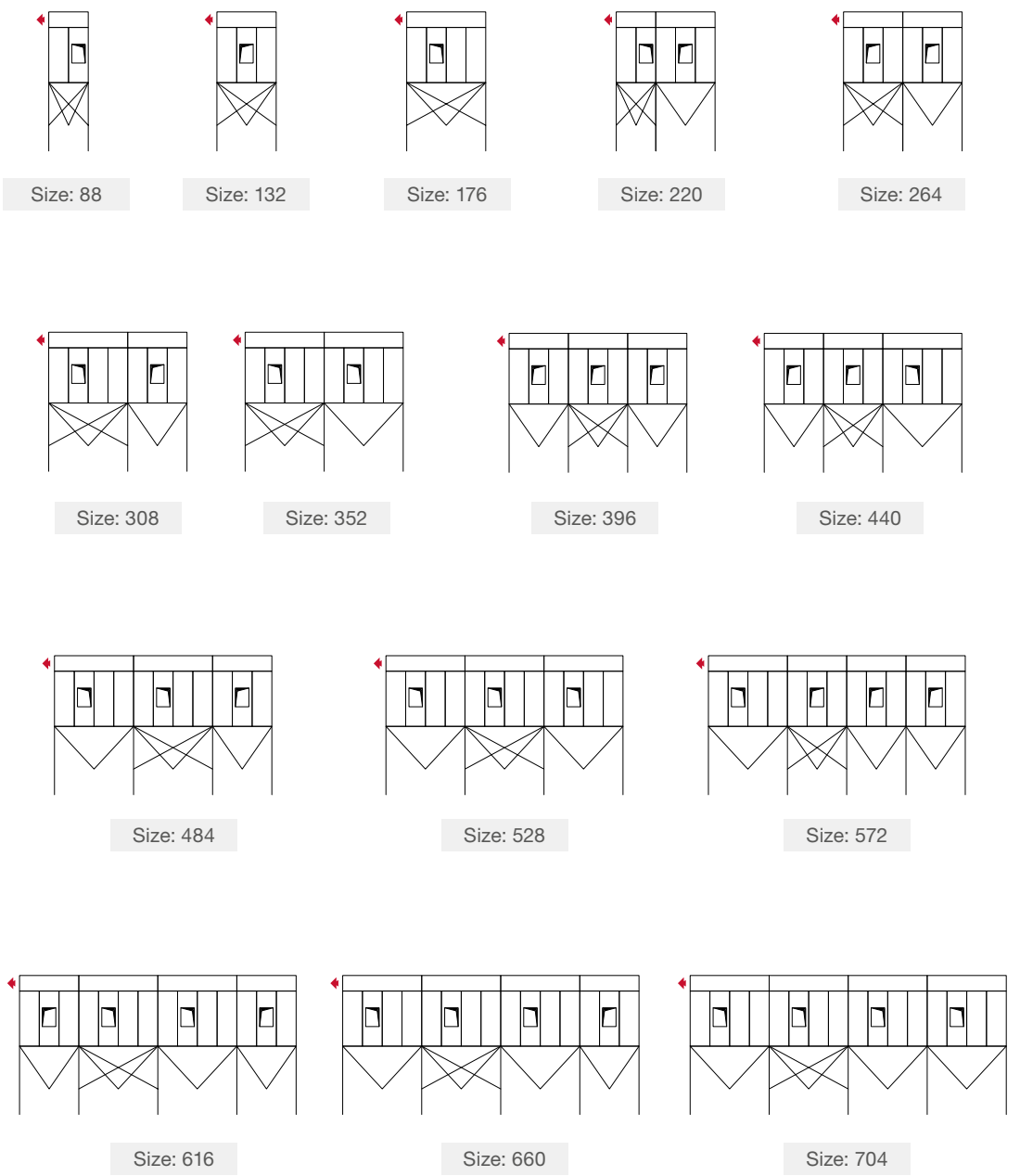
24 Vdc.

230 Vac.

Right side outlet versions



Left side outlet versions



 Support structure BRACING will be placed as per here up sketches. If a different place is requested, then the WONDAIR™ Max unit will be considered as a "no standard" one.

WONDAIR™ Max - Introduction

Filtering surface area

	Model	Bag length (feet)	Size (no. of bags)	Total filtering surface area (m²)		
				No ATEX	ATEX Case-1	ATEX Case-3
1 Module	6-56	6	56	41.26	41.26	41.26
	8-56	8	56	55.21	55.21	55.21
	10-56	10	56	69.14	69.14	-
	8-88	8	88	86.76	-	86.76
	10-88	10	88	108.65	108.65	-
	12-88	12	88	127.30	-	127.30
	14-88	14	88	152.49	152.49	-
	12-132	12	132	190.95	-	190.95
	14-132	14	132	228.74	228.74	-
	12-176	12	176	254.60	-	254.60
2 Modules	14-176	14	176	304.99	304.99	-
	12-220	12	220	318.25	-	318.25
	14-220	14	220	381.23	381.23	-
	12-264	12	264	381.90	-	381.90
	14-264	14	264	457.48	457.48	-
	12-308	12	308	445.55	-	445.55
	14-308	14	308	533.72	533.72	-
	12-352	12	352	509.20	-	509.20
3 Modules	14-352	14	352	609.97	609.97	-
	12-396	12	396	572.84	-	572.84
	14-396	14	396	686.22	686.22	-
	12-440	12	440	636.49	-	636.49
	14-440	14	440	762.46	762.46	-
	14-484	12	484	700.14	-	700.14
	14-484	14	484	838.71	838.71	-
	12-528	12	528	763.79	-	763.79
	14-528	14	528	914.96	914.96	-
	12-572	12	572	827.44	-	827.44
4 Modules	14-572	14	572	991.20	991.20	-
	12-616	12	616	891.09	-	891.09
	14-616	14	616	1067.45	1067.45	-
	12-660	12	660	954.74	-	954.74
	14-660	14	660	1143.69	1143.69	-
	12-704	12	704	1018.39	-	1018.39
	14-704	14	704	1219.94	1219.94	-

WONDAIR™ Max versions

		No ATEX			ATEX*	
		Basic	Reinforced	High Temp.	ATEX Case-1*	ATEX Case-3*
Process Gases	TEMPERATURE (C°)	80	80	200	80	80
Max. NEGATIVE PRESSURE (at Casing Inlet Flange)	(daPa)	(-) 640	(-) 1000**	(-) 500	(-) 1000**	(-) 1000**
Max. BAG PRESSURE DROP	(daPa)	(-) 200	(-) 200	(-) 200	(-) 200	(-) 200
Max. POSITIVE PRESSURE (inside the shell)	(daPa)	-	-	-	(+) 1830**	(+) 1830**
Acceptable Explosion Pmax	(bar)	-	-	-	Refer to below chart	
Acceptable Explosion Kst	(bar*m/s)	-	-	-		

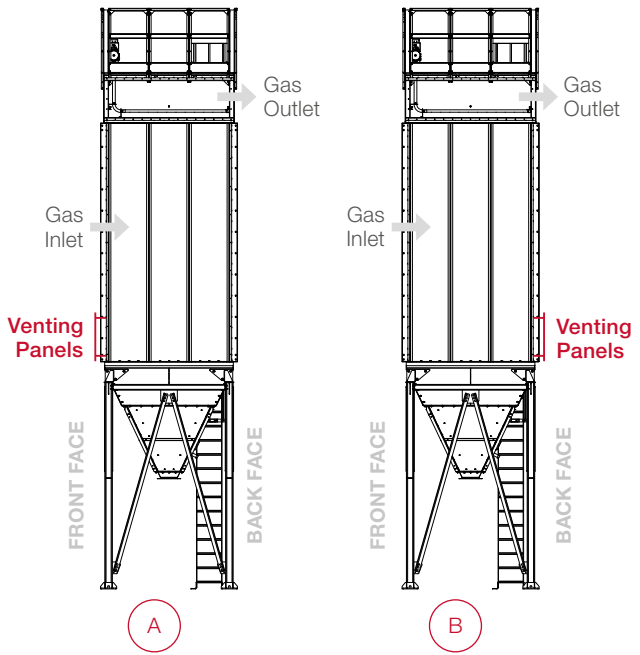
 **High Temperature version is NOT COMPATIBLE with Reinforced version or ATEX versions.**

*** ATEX Prot. versions are suitable for both Zones 21 & 22. Rest of instrumentation and comercial components must be coherent with the selected Zones 21 or 22.**

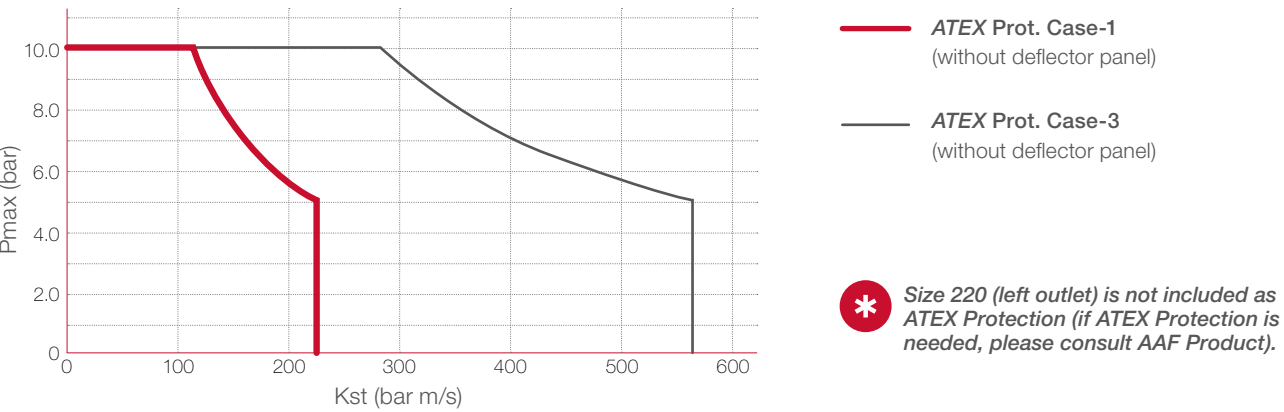
**** Size 220 is NOT INCLUDED on these values. For size 220 please consult to AAF Product Dpt.**

A ATEX Case-1 - 14' Bags
Venting panels on filter **front** face

B ATEX Case-3 - 12' Bags
Venting panels on filter **back** face



Explosion Protection (EN 14491)



*** These graphics are VALID for HORIZONTAL VENTING (without deflector). (for venting including a deflector, check venting capacity with AAF)**

Support structure mechanical parameters

According EUROCODE.

General LOADS

		Support structure clearances			
		1220 mm	1525 mm	1970 mm*	2500 mm*
Steel material		S275 JR	S275 JR	S275 JR	S275 JR
Hopper dust DENSITY	(T / m³)	1.6	1.6	1.6	1.6
SNOW load	(Kg / m²)	60	60	60	60
USE load	(Kg / m²)	100	100	100	100

 ALL clearances are when discharge flange = 300 x 300 mm (If 200 x 200 mm, then clearances are reduced by 100 mm.)

 These clearances are NOT AVAILABLE for the smallest size (56 bags).

DUST in hopper

According EUROCODE.

- | 60% (Vol.) of DUST (continuous) on hopper total vol. + SEISM (accidental) + WIND
- | 100% (Vol.) of DUST (accidental) on hopper total vol. + SEISM (accidental) + WIND

Max. SEISM

According EUROCODE.

Casing max. NEGATIVE PRESSURE :		5 000 Pa				
		Support structure clearances				
			1220 mm	1525 mm	1970 mm	2500 mm
If mono-module (only 1 hopper)	SEISM 60% dust (continuous) or 100% dust (accidental)	(g)	0.23	0.17	0.15	0.10
	SEISM 100% dust (continuous)	(g)	0.18	0.13	0.10	0.07
If multi-module (several hoppers)	SEISM 60% dust (continuous) or 100% dust (accidental)	(g)	0.113	0.084	0.073	0.051
	SEISM 100% dust (continuous)	(g)	0.092	0.063	0.052	0.035

Casing max. NEGATIVE PRESSURE :		6 400 Pa				
		Support structure clearances				
			1220 mm	1525 mm	1970 mm	2500 mm
If mono-module (only 1 hopper)	SEISM 60% dust (continuous) or 100% dust (accidental)	(g)	0.20	0.15	0.13	0.09
	SEISM 100% dust (continuous)	(g)	0.16	0.11	0.09	0.06
If multi-module (several hoppers)	SEISM 60% dust (continuous) or 100% dust (accidental)	(g)	0.100	0.075	0.065	0.045
	SEISM 100% dust (continuous)	(g)	0.080	0.055	0.045	0.030

 Ground type : “D” - acc. EUROCODE.

Max. WIND capacity

Casing max. NEGATIVE PRESSURE :		5 000 Pa			
		Support structure clearances			
		1220 mm	1525 mm	1970 mm	2500 mm
Zone 0	(m/s)	33.5	31.0	26.9	23.1
Zone I	(m/s)	35	32	27.8	24
Zone II	(m/s)	37.7	34.9	30.3	26.0
Zone III	(m/s)	44.3	41.0	35.5	30.5
Zone IV	(m/s)	53.4	49.4	42.8	36.8

Casing max. NEGATIVE PRESSURE :		6 400 Pa			
		Support structure clearances			
		1220 mm	1525 mm	1970 mm	2500 mm
Zone 0	(m/s)	31.1	28.2	23.3	18.6
Zone I	(m/s)	32	29	24.2	19
Zone II	(m/s)	35.3	31.9	26.3	21.0
Zone III	(m/s)	41.7	37.7	31.0	24.8
Zone IV	(m/s)	51.0	45.9	37.6	29.8

Casing max. NEGATIVE PRESSURE :		10 000 Pa			
		Support structure clearances			
		1220 mm	1525 mm	1970 mm	2500 mm
Zone 0	(m/s)	27.7	24.6	18.9	12.7
Zone I	(m/s)	29	26	20	13
Zone II	(m/s)	31.5	29.7	21.5	14.5
Zone III	(m/s)	37.3	33.1	25.4	17.1
Zone IV	(m/s)	45.6	40.4	31.0	20.9

Units translation:

* 12.7 m/s x 3.6 = 45 Km/h

* 53.4 m/s x 3.6 = 192 Km/h

EUROCODE “Zone” definition table

- Zone 0**
Sea or coastal area exposed to the open sea.
- Zone I**
Lakes or flat and horizontal area with negligible vegetation and without obstacles.
- Zone II**
Area with low vegetation such as grass and isolated obstacles (trees, buildings) with separations of at least 20 obstacle heights.
- Zone III**
Area with regular cover of vegetation or buildings or with isolated obstacles with separations of maximum 20 obstacle heights (such as villages, suburban terrain, permanent forest).
- Zone IV**
Area in which at least 15% of the surface is covered with buildings and their average height exceeds 15m.

SHORT LIST with the concepts that Customer needs to inform AAF for making sure that standard WONDAIR™ Max fits on the Customer’s site conditions

(Other way, special arrangements would need to be introduced on our WONDAIR™ Max design).

- ☐ HEIGHT from the hopper discharge flange to the support structure base plate (lower face) /// CLEARANCE (mm).
- ☐ Hopper discharge flange inside dimensions (200x200 mm or 300x300 mm).
- ☐ Design process gases TEMPERATURE (°C).
- ☐ Design Static Pressure at casing inlet flange (daPa).
- ☐ Max. WIND (m/s).
- ☐ Definition of the wind ZONE according to EUROCODE “Zone” (as indicated in the EUROCODE “Zone” in the table above right).
- ☐ Max. SEISM (g) (note : AAF hypothesis for ground type is “D”, according eurocode).
- ☐ If ATEX Version : Kst (bar*m/s).
- ☐ If ATEX Version : Pmax (bar).

WONDAIR™ Max - Arrangement A



Illustration model:
WONDAIR™ Max 12-176 - Arrangement A

12' Bags

		Dimensions (mm)		Weight (kg)	
Model		No. of bags	Filtering surface (m²)	A Length	Net Weight* Total Weight*
1 Module	12-88	88	127.30	1675	9461386
	12-132	132	190.95	2395	12681928
	12-176	176	254.60	3115	15732453
2 Modules	12-220	220	318.25	3835	20333133
	12-264	264	381.90	4555	23553675
	12-308	308	445.55	5275	26604200
	12-352	352	509.20	5995	29704730
3 Modules	12-396	396	572.84	6715	34365416
	12-440	440	636.49	7435	37475947
	12-484	484	700.14	8155	40576477
	12-528	528	763.79	8875	43627002
4 Modules	12-572	572	827.44	9595	48337693
	12-616	616	891.09	10315	51448224
	12-660	660	954.74	11035	54498749
	12-704	704	1018.39	11755	57599279

* Weights and dimensions in this table may contain some minor inaccuracies: general arrangement drawing will provide the accurate weight and dimensions.

* Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.



Illustration model:
WONDAIR™ Max 14-176 - Arrangement A

14' Bags

		Dimensions (mm)		Weight (kg)	
Model		No. of bags	Filtering surface (m²)	A Length	Net Weight* Total Weight*
1 Module	14-88	88	152.49	1675	9461474
	14-132	132	228.74	2395	12682060
	14-176	176	304.99	3115	15732629
2 Modules	14-220	220	381.23	3835	20333353
	14-264	264	457.48	4555	23553939
	14-308	308	533.72	5275	26604508
	14-352	352	609.97	5995	29705082
3 Modules	14-396	396	686.22	6715	34365812
	14-440	440	762.46	7435	37476387
	14-484	484	838.71	8155	40576961
	14-528	528	914.96	8875	43627530
4 Modules	14-572	572	991.20	9595	48338265
	14-616	616	1067.45	10315	51448840
	14-660	660	1143.69	11035	54499409
	14-704	704	1219.94	11755	57599983

* Weights and dimensions in this table may contain some minor inaccuracies: general arrangement drawing will provide the accurate weight and dimensions.

* Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.

WONDAIR™ Max - Arrangement B

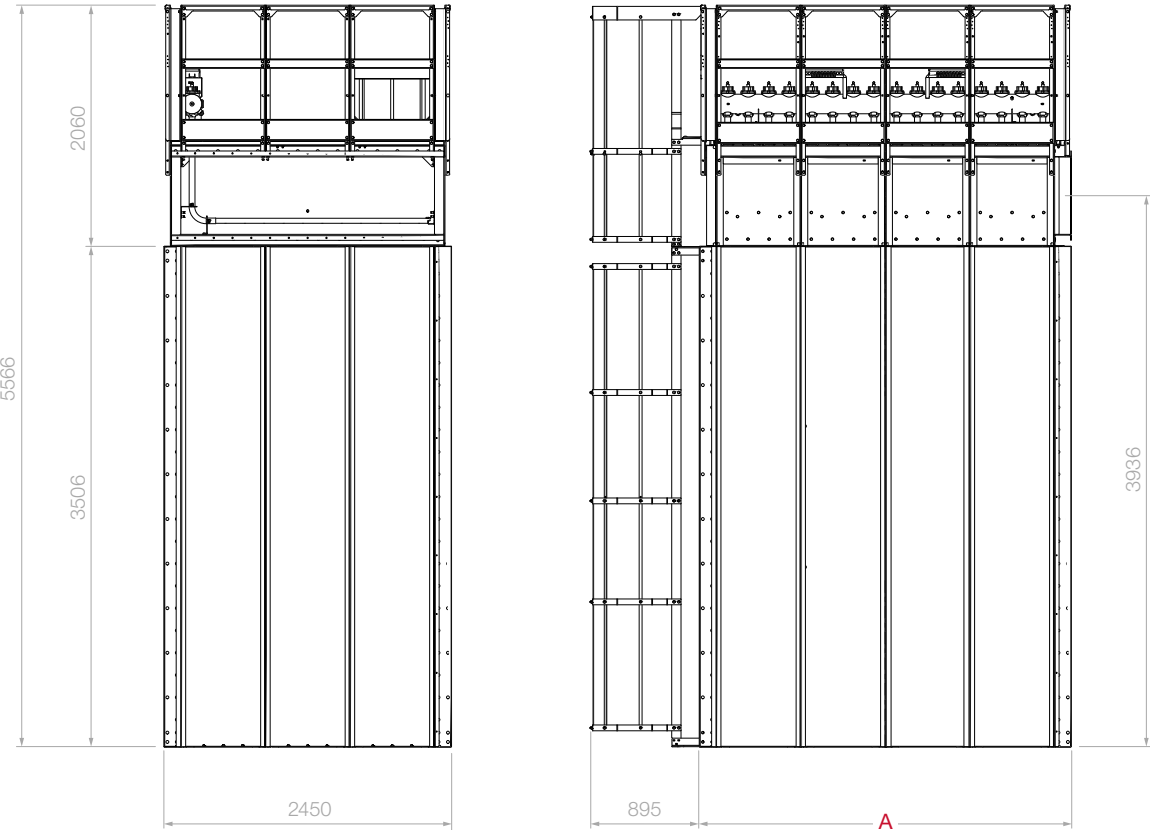


Illustration model:
WONDAIR™ Max 12-176 - Arrangement B

12' Bags

Model		No. of bags	Filtering surface (m²)	Dimensions (mm)	Weight (kg)	
				A Length	Net Weight*	Total Weight*
1 Module	12-88	88	127.30	1675	2381	2821
	12-132	132	190.95	2395	2967	3627
	12-176	176	254.60	3115	3542	4422
2 Modules	12-220	220	318.25	3835	4284	5384
	12-264	264	381.90	4555	4870	6190
	12-308	308	445.55	5275	5440	6980
	12-352	352	509.20	5995	6015	7775
3 Modules	12-396	396	572.84	6715	6733	8713
	12-440	440	636.49	7435	7320	9520
	12-484	484	700.14	8155	7895	10315
	12-528	528	763.79	8875	8464	11104
4 Modules	12-572	572	827.44	9595	9189	12049
	12-616	616	891.09	10315	9769	12849
	12-660	660	954.74	11035	10344	13644
	12-704	704	1018.39	11755	10919	14439

WEIGHTS and DIMENSIONS in this table may contain some minor inaccuracies: General Arrangement Drawing will provide the accurate weight and dimensions.

* Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.

WONDAIR™ Max - Arrangement B

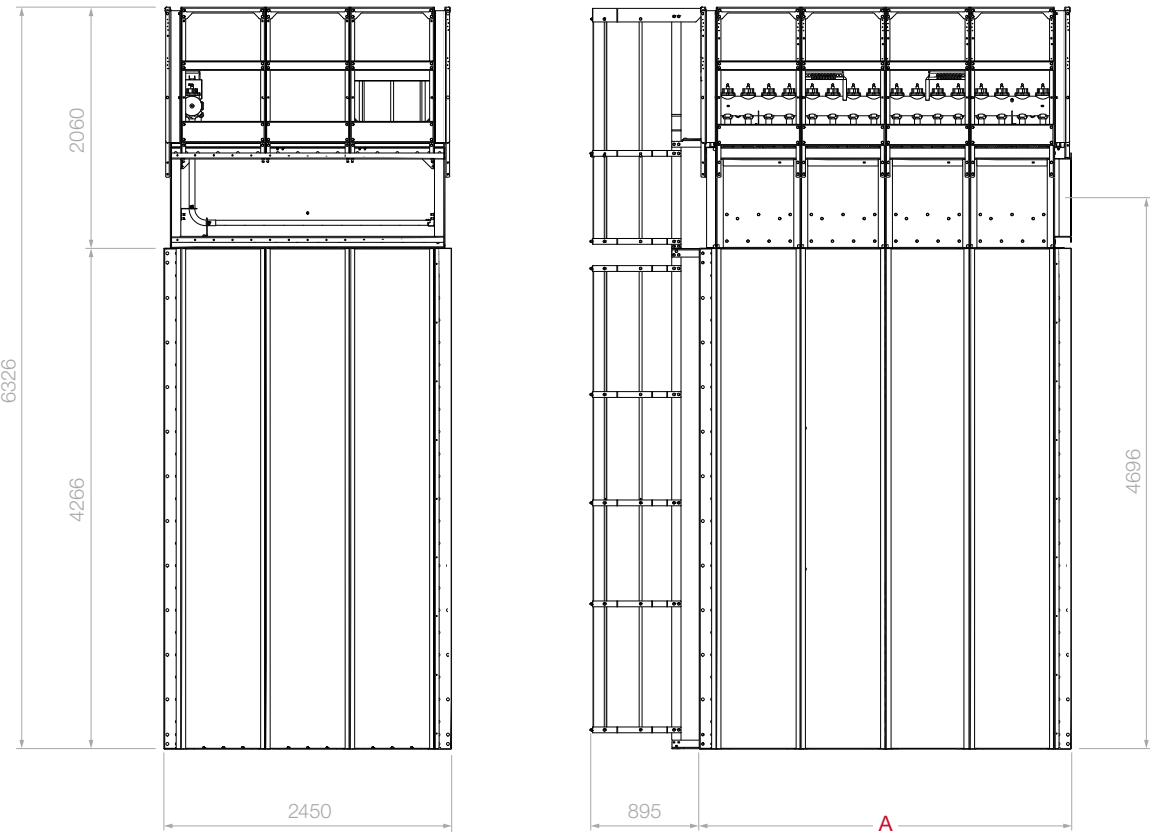


Illustration model:
WONDAIR™ Max 14-176 - Arrangement B

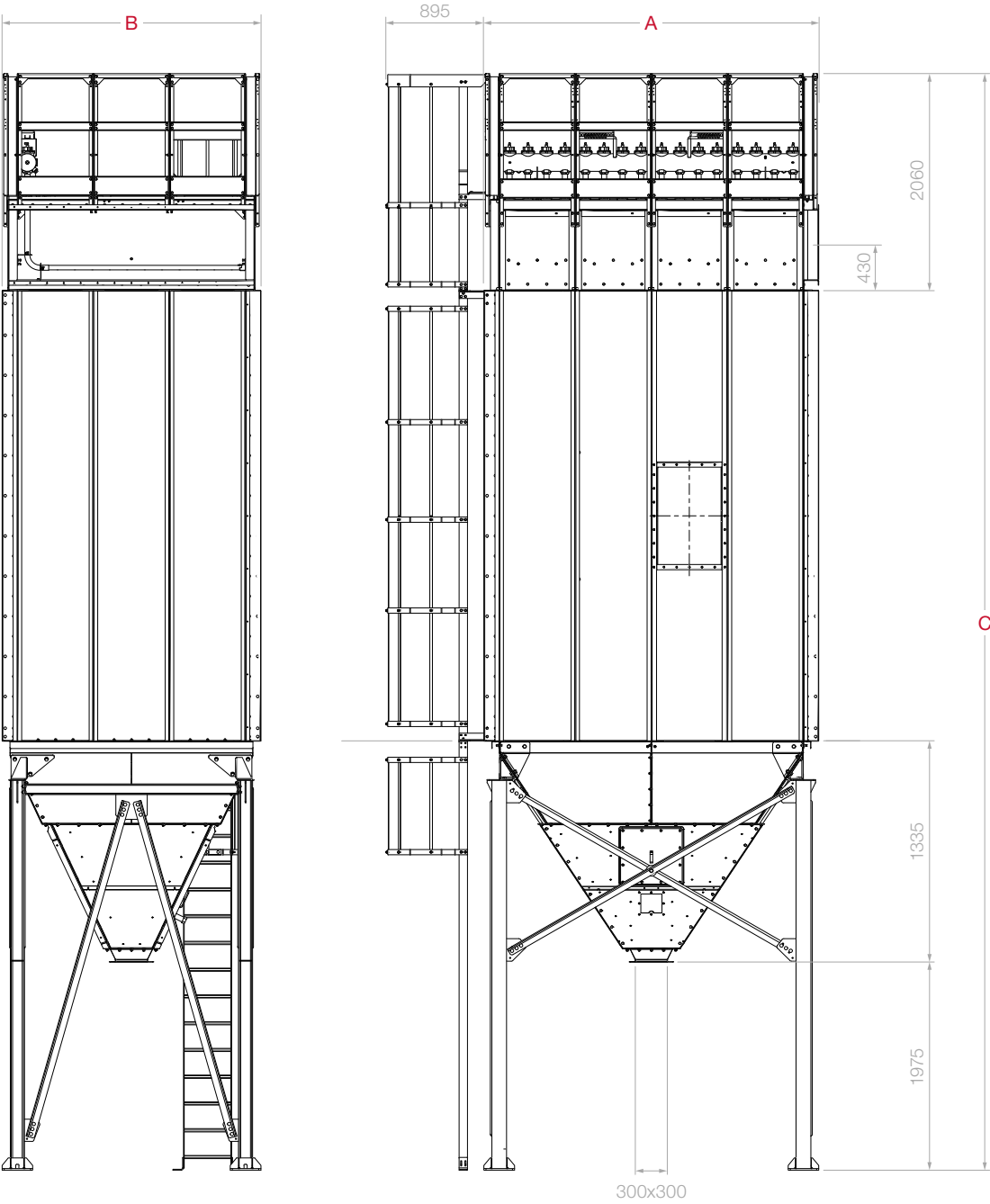
14' Bags

Model		No. of bags	Filtering surface (m²)	Dimensions (mm)	Weight (kg)	
				A Length	Net Weight*	Total Weight*
1 Module	14-88	88	152.49	1675	2628	3156
	14-132	132	228.74	2395	3260	4052
	14-176	176	304.99	3115	3876	4932
2 Modules	14-220	220	381.23	3835	4658	5978
	14-264	264	457.48	4555	5284	6868
	14-308	308	533.72	5275	5905	7753
	14-352	352	609.97	5995	6532	8644
3 Modules	14-396	396	686.22	6715	7285	9661
	14-440	440	762.46	7435	7912	10552
	14-484	484	838.71	8155	8539	11443
	14-528	528	914.96	8875	9160	12328
4 Modules	14-572	572	991.20	9595	9919	13351
	14-616	616	1067.45	10315	10546	14242
	14-660	660	1143.69	11035	11167	15127
	14-704	704	1219.94	11755	11793	16017

 WEIGHTS and DIMENSIONS in this table may contain some minor inaccuracies: General Arrangement Drawing will provide the accurate weight and dimensions.

 Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.

WONDAIR™ Max - Arrangement C



6' Bags / 8' Bags / 10' Bags

Model		No. of bags	Filtering surface (m²)	Dimensions (mm)			Weight (kg)	
				A Length	B Width	C Height	Net Weight*	Total Weight*
1 Module	6-56	56	41.26	1675	1735	7230	3150	3590
	8-56	56	55.21	1675	1735	7830	3270	3710
	10-56	56	69.14	1675	1735	8450	3404	3844
	8-88	88	86.76	1675	2453	7830	3534	3974
	10-88	88	108.65	1675	2453	8450	3684	4124

 WEIGHTS and DIMENSIONS in this table may contain some minor inaccuracies: General Arrangement Drawing will provide the accurate weight and dimensions.

 Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.

WONDAIR™ Max - Arrangement C

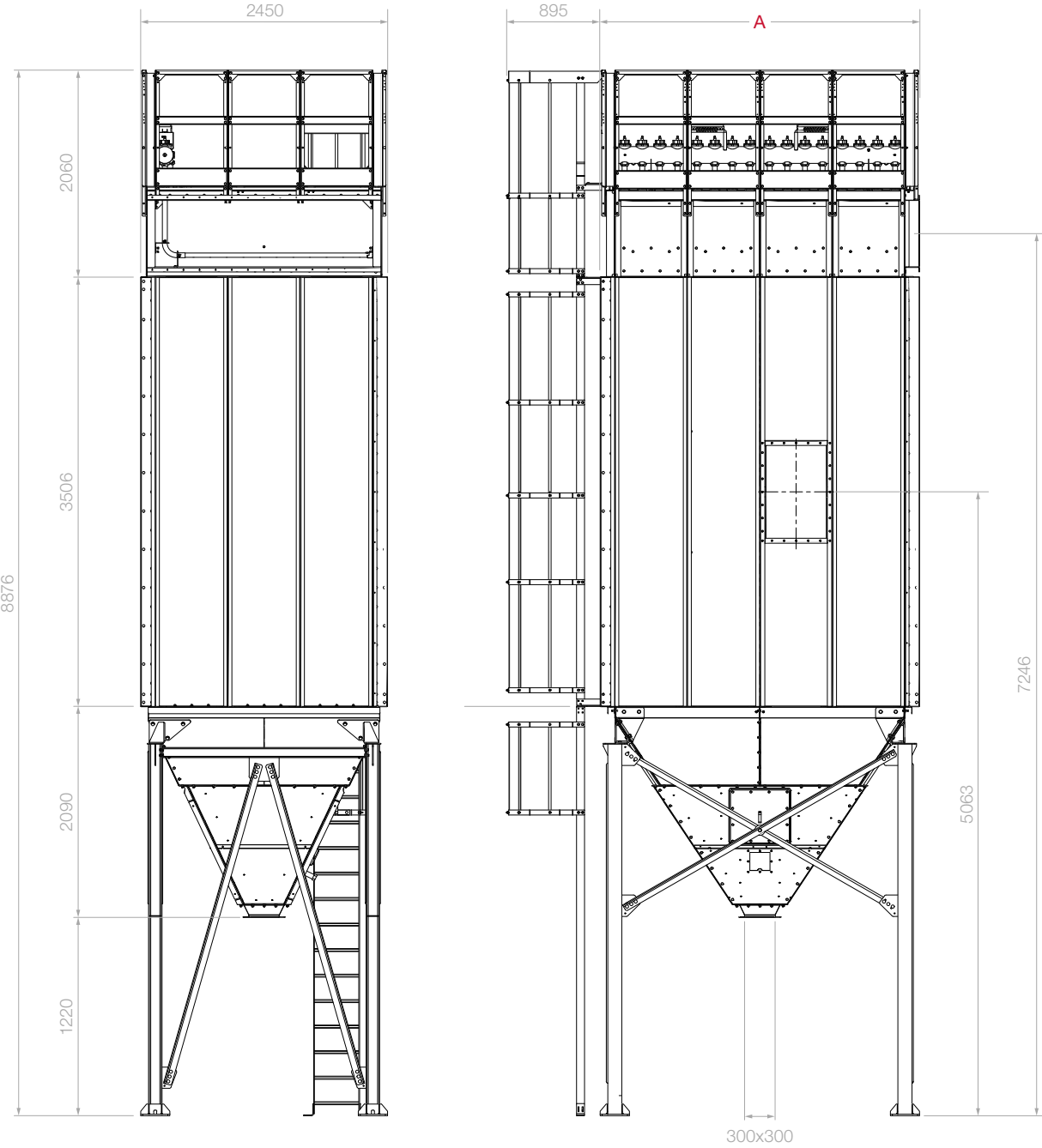


Illustration model:
WONDAIR™ Max 12-176 - Arrangement C

12' Bags

Model		No. of bags	Filtering surface (m²)	Dimensions (mm)	Weight (kg)	
				A Length	Net Weight*	Total Weight*
1 Module	12-88	88	127.30	1675	3784	4224
	12-132	132	190.95	2395	4485	5145
	12-176	176	254.60	3115	5152	6032
2 Modules	12-220	220	318.25	3835	6572	7672
	12-264	264	381.90	4555	7280	8600
	12-308	308	445.55	5275	7935	9475
	12-352	352	509.20	5995	8579	10339
3 Modules	12-396	396	572.84	6715	10028	12008
	12-440	440	636.49	7435	10684	12884
	12-484	484	700.14	8155	11351	13771
	12-528	528	763.79	8875	11989	14629
4 Modules	12-572	572	827.44	9595	13438	16298
	12-616	616	891.09	10315	14111	17191
	12-660	660	954.74	11035	14755	18055
	12-704	704	1018.39	11755	15399	18919

WEIGHTS and DIMENSIONS in this table may contain some minor inaccuracies: General Arrangement Drawing will provide the accurate weight and dimensions.

* Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.

WONDAIR™ Max - Arrangement C

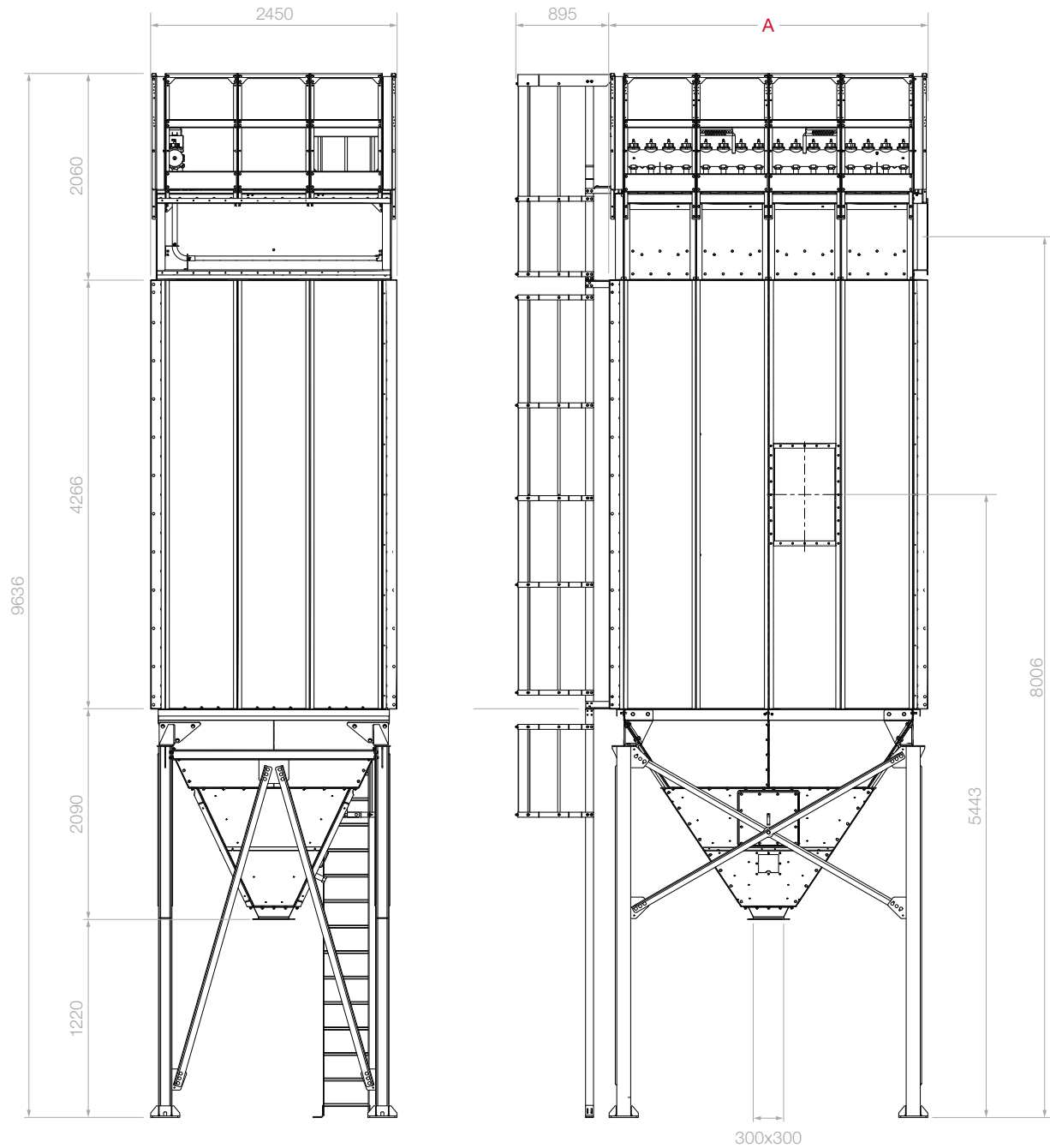


Illustration model:
WONDAIR™ Max 14-176 - Arrangement C

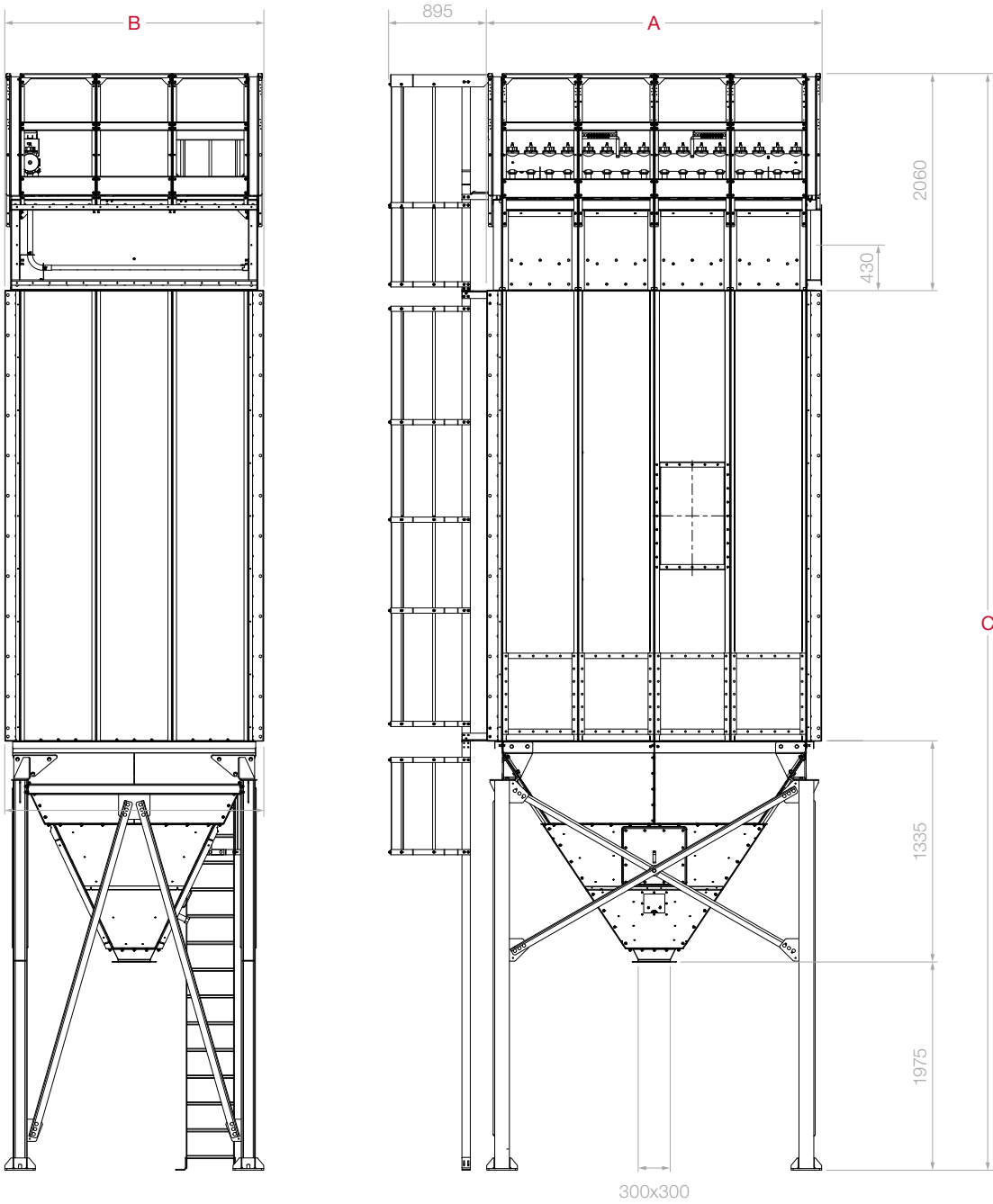
14' Bags

Model		No. of bags	Filtering surface (m²)	Dimensions (mm)	Weight (kg)	
				A Length	Net Weight*	Total Weight*
1 Module	14-88	88	152.49	1675	4031	4559
	14-132	132	228.74	2395	4778	5570
	14-176	176	304.99	3115	5486	6542
2 Modules	14-220	220	381.23	3835	6946	8266
	14-264	264	457.48	4555	7694	9278
	14-308	308	533.72	5275	8401	10249
	14-352	352	609.97	5995	9097	11209
3 Modules	14-396	396	686.22	6715	10580	12956
	14-440	440	762.46	7435	11276	13916
	14-484	484	838.71	8155	11995	14899
	14-528	528	914.96	8875	12685	15853
4 Modules	14-572	572	991.20	9595	14168	17600
	14-616	616	1067.45	10315	14887	18583
	14-660	660	1143.69	11035	15577	19537
	14-704	704	1219.94	11755	16273	20497

 WEIGHTS and DIMENSIONS in this table may contain some minor inaccuracies: General Arrangement Drawing will provide the accurate weight and dimensions.

 Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.

WONDAIR™ Max - Arrangement C ATEX



6' Bags / 8' Bags / 10' Bags

Model		No. of bags	Filtering surface (m²)	Dimensions (mm)			Weight (kg)	
				A Length	B Width	C Height	Net Weight*	Total Weight*
1 Module	6-56	56	41.26	1675	1735	7230	3350	3790
	8-56	56	55.21	1675	1735	7830	3470	3910
	10-56	56	69.14	1675	1735	8450	3604	4044
	8-88	88	86.76	1675	2453	7830	3834	4274
	10-88	88	108.65	1675	2453	8450	3984	4424

ATEX models Availability

Model	Case-1	Case-3
	Explosion Venting Panels on Filter Inlet Flange Face (Front Face)	Explosion Venting Panels on Oposite to Inlet Flange Face (Back Face)
6-56	Case-1	Case-3
8-56	Case-1	Case-3
10-56	Case-1	-
8-88	-	Case-3
10-88	Case-1	-

WEIGHTS and DIMENSIONS in this table may contain some minor inaccuracies: General Arrangement Drawing will provide the accurate weight and dimensions.

* Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.

WONDAIR™ Max - Arrangement C ATEX (Case-3)

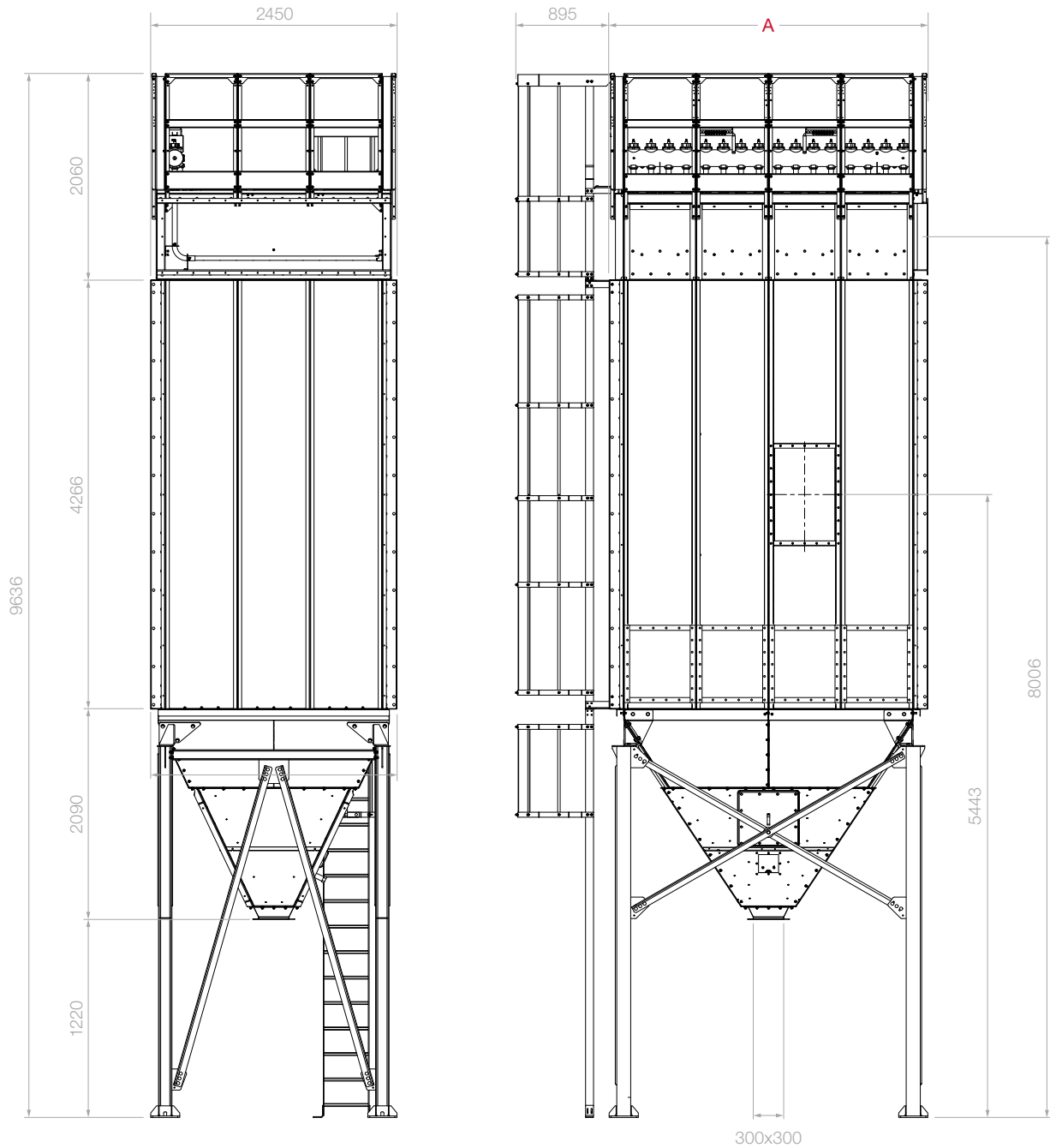


Illustration model:
WONDAIR™ Max 12-176 ATEX - Arrangement C

12' Bags

Model		No. of bags	Filtering surface (m²)	Dimensions (mm)	Weight (kg)	
				A Length	Net Weight*	Total Weight*
1 Module	12-88	88	127.30	1675	4221	4749
	12-132	132	190.95	2395	5008	5800
	12-176	176	254.60	3115	5762	6818
2 Modules	12-220	220	318.25	3835	7251	8571
	12-264	264	381.90	4555	8039	9623
	12-308	308	445.55	5275	8792	10640
	12-352	352	509.20	5995	9534	11646
3 Modules	12-396	396	572.84	6715	11040	13416
	12-440	440	636.49	7435	11782	14422
	12-484	484	700.14	8155	12547	15451
	12-528	528	763.79	8875	13283	16451
4 Modules	12-572	572	827.44	9595	14789	18221
	12-616	616	891.09	10315	15554	19250
	12-660	660	954.74	11035	16290	20250
	12-704	704	1018.39	11755	17032	21256

 WEIGHTS and DIMENSIONS in this table may contain some minor inaccuracies: General Arrangement Drawing will provide the accurate weight and dimensions.

 Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.

WONDAIR™ Max - Arrangement C ATEX (Case-1)

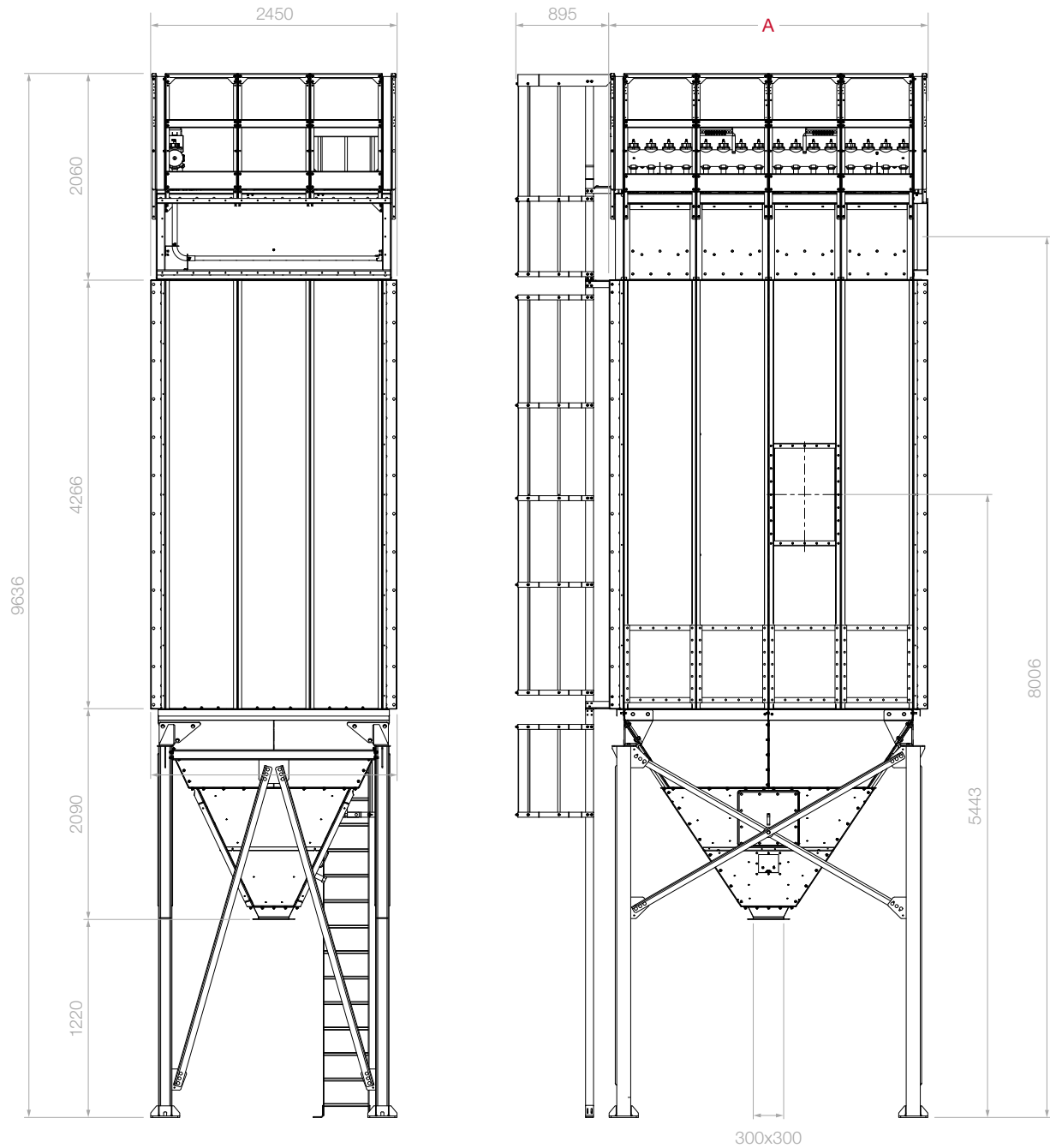


Illustration model:
WONDAIR™ Max 14-176 ATEX - Arrangement C

* Explosion venting panels can be also placed on the filter face, oposite to the gas inlet flange.

14' Bags

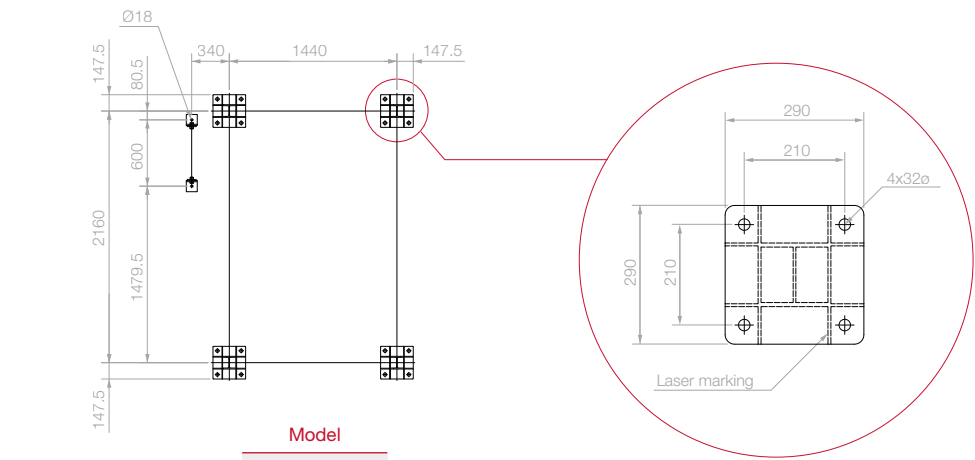
Model		No. of bags	Filtering surface (m²)	Dimensions (mm)	Weight (kg)	
				A Length	Net Weight*	Total Weight*
1 Module	14-88	88	152.49	1675	4221	4749
	14-132	132	228.74	2395	5008	5800
	14-176	176	304.99	3115	5762	6818
2 Modules	14-220	220	381.23	3835	7251	8571
	14-264	264	457.48	4555	8039	9623
	14-308	308	533.72	5275	8792	10640
	14-352	352	609.97	5995	9534	11646
3 Modules	14-396	396	686.22	6715	11040	13416
	14-440	440	762.46	7435	11782	14422
	14-484	484	838.71	8155	12547	15451
	14-528	528	914.96	8875	13283	16451
4 Modules	14-572	572	991.20	9595	14789	18221
	14-616	616	1067.45	10315	15554	19250
	14-660	660	1143.69	11035	16290	20250
	14-704	704	1219.94	11755	17032	21256

WEIGHTS and DIMENSIONS in this table may contain some minor inaccuracies: General Arrangement Drawing will provide the accurate weight and dimensions.

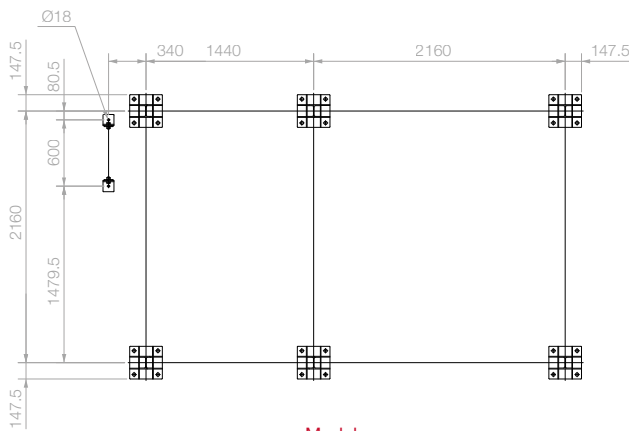
* Net Weight refers to weight without cages nor bags. Total Weight refers to weight with cages and bags.

Structure

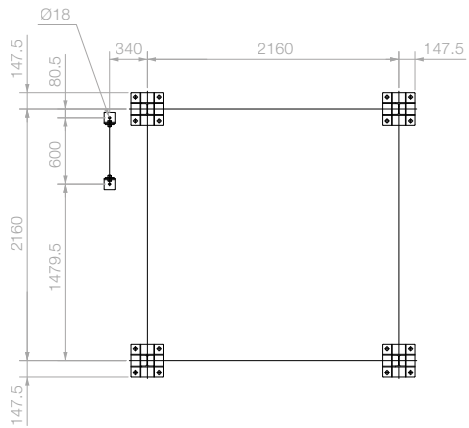
WONDAIR™ Max - Arrangement C



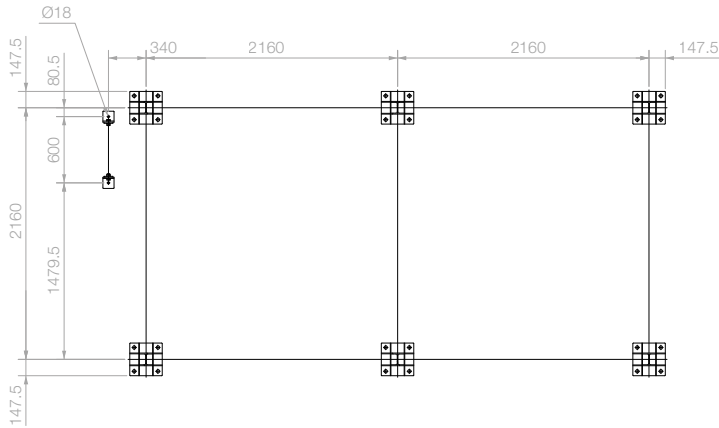
Model
88



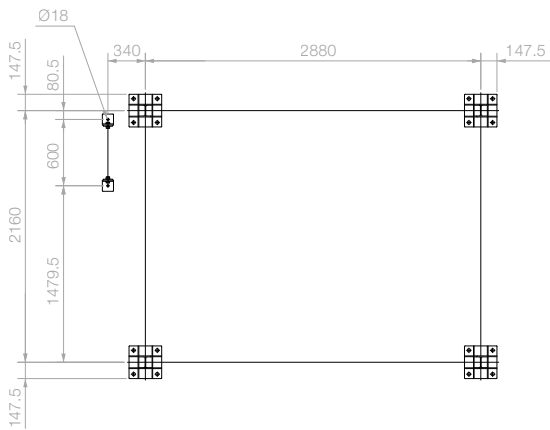
Model
220



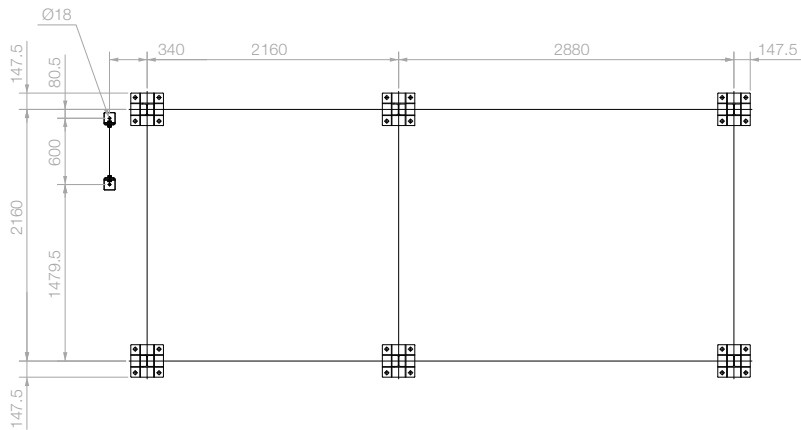
Model
132



Model
264



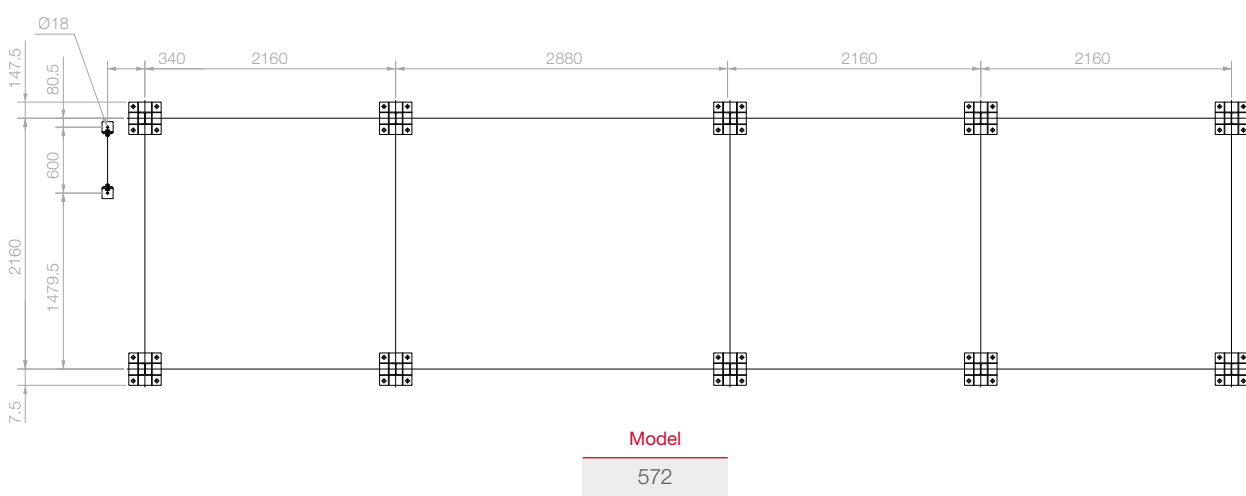
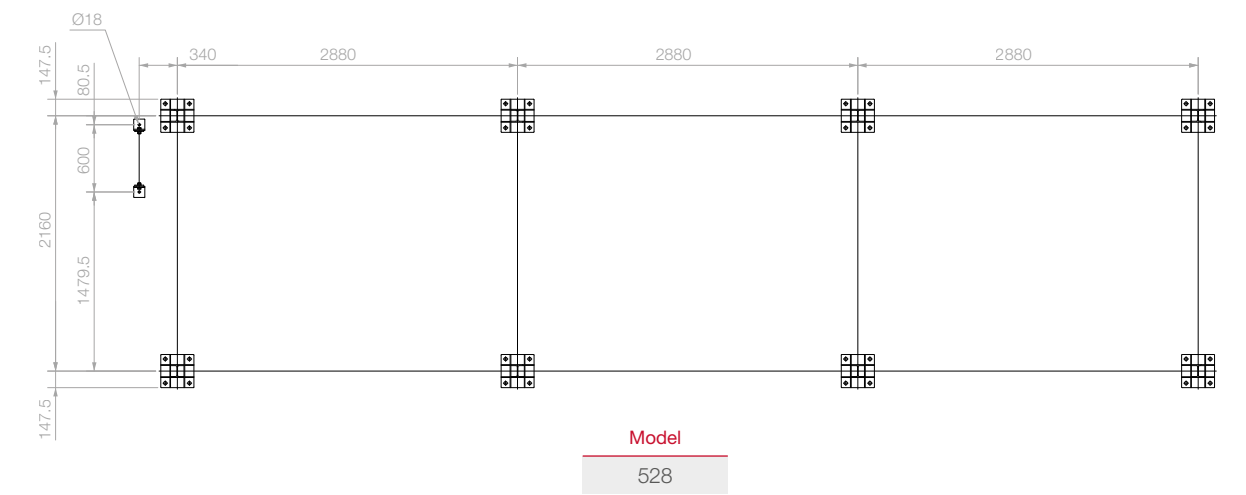
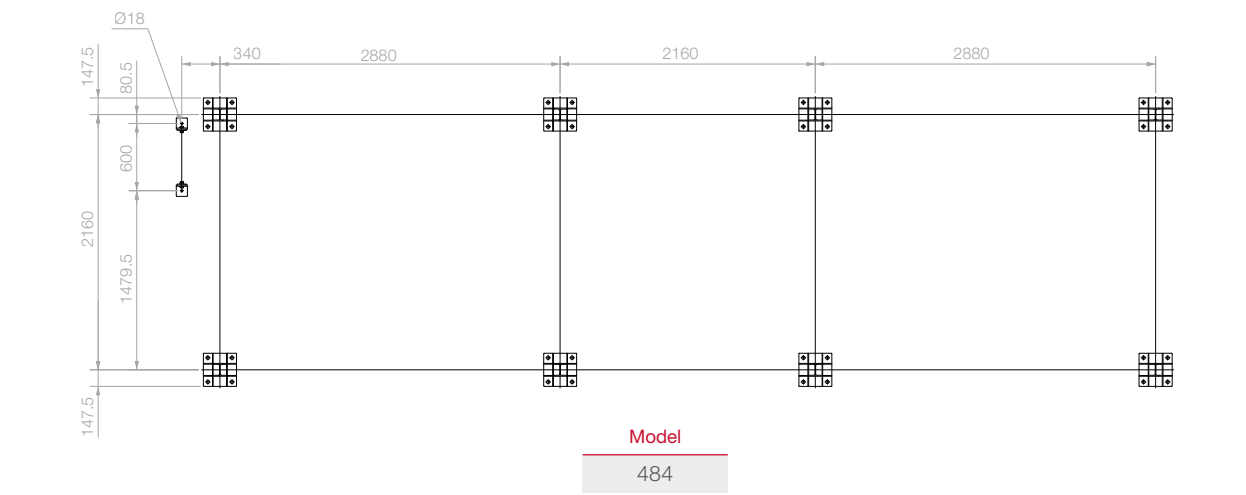
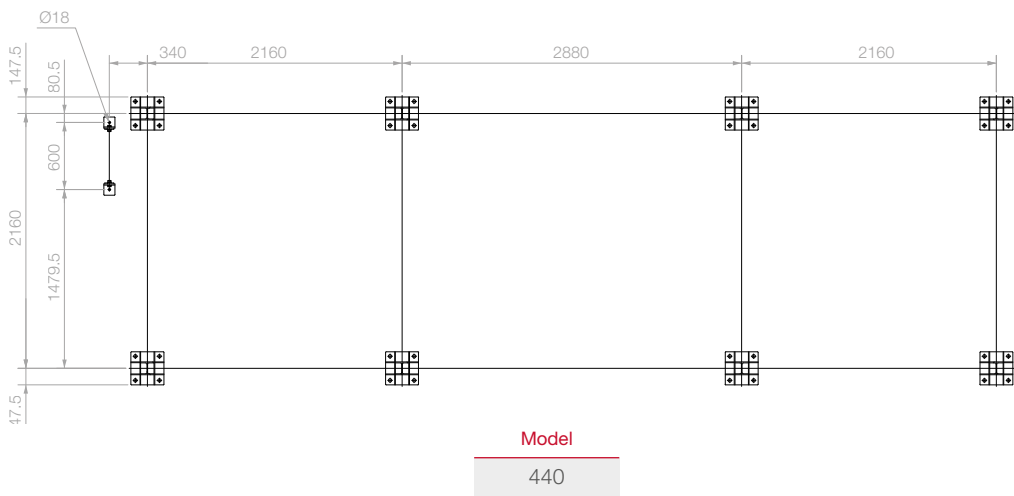
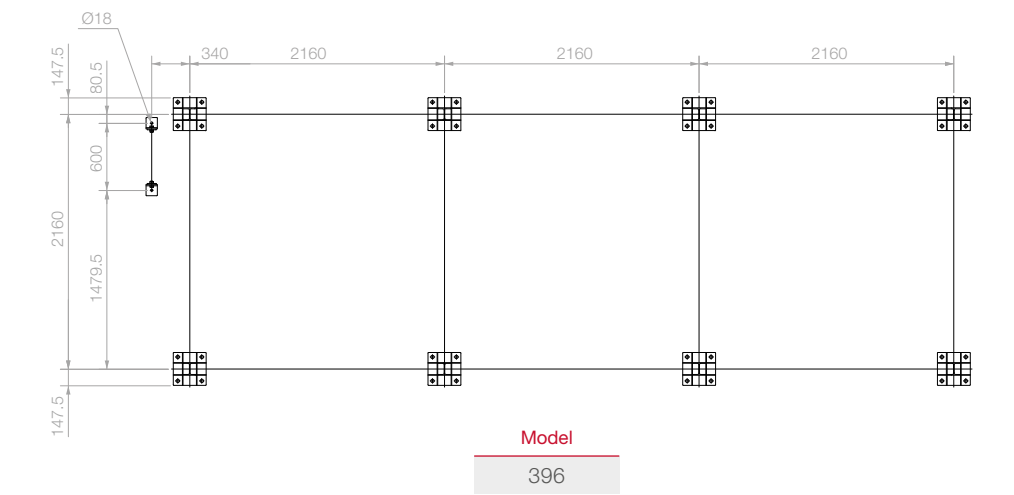
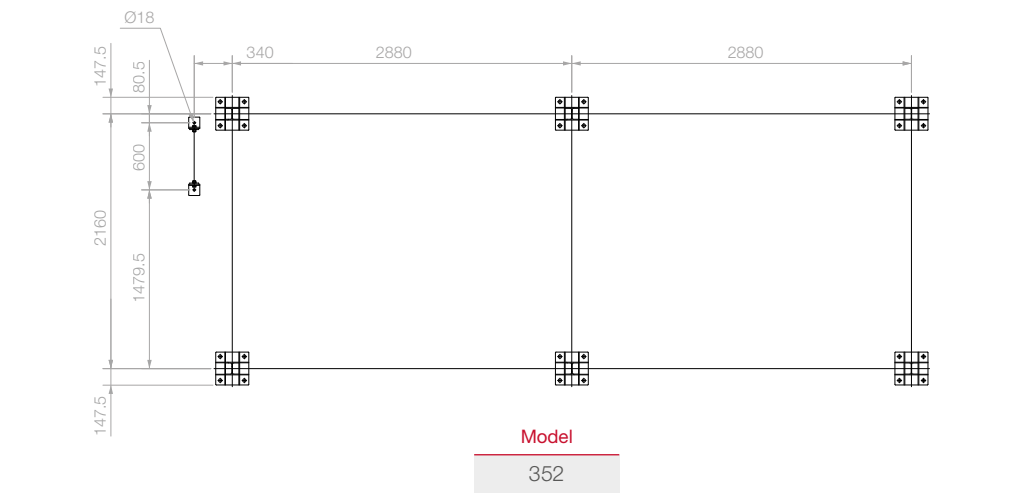
Model
176



Model
308

Structure

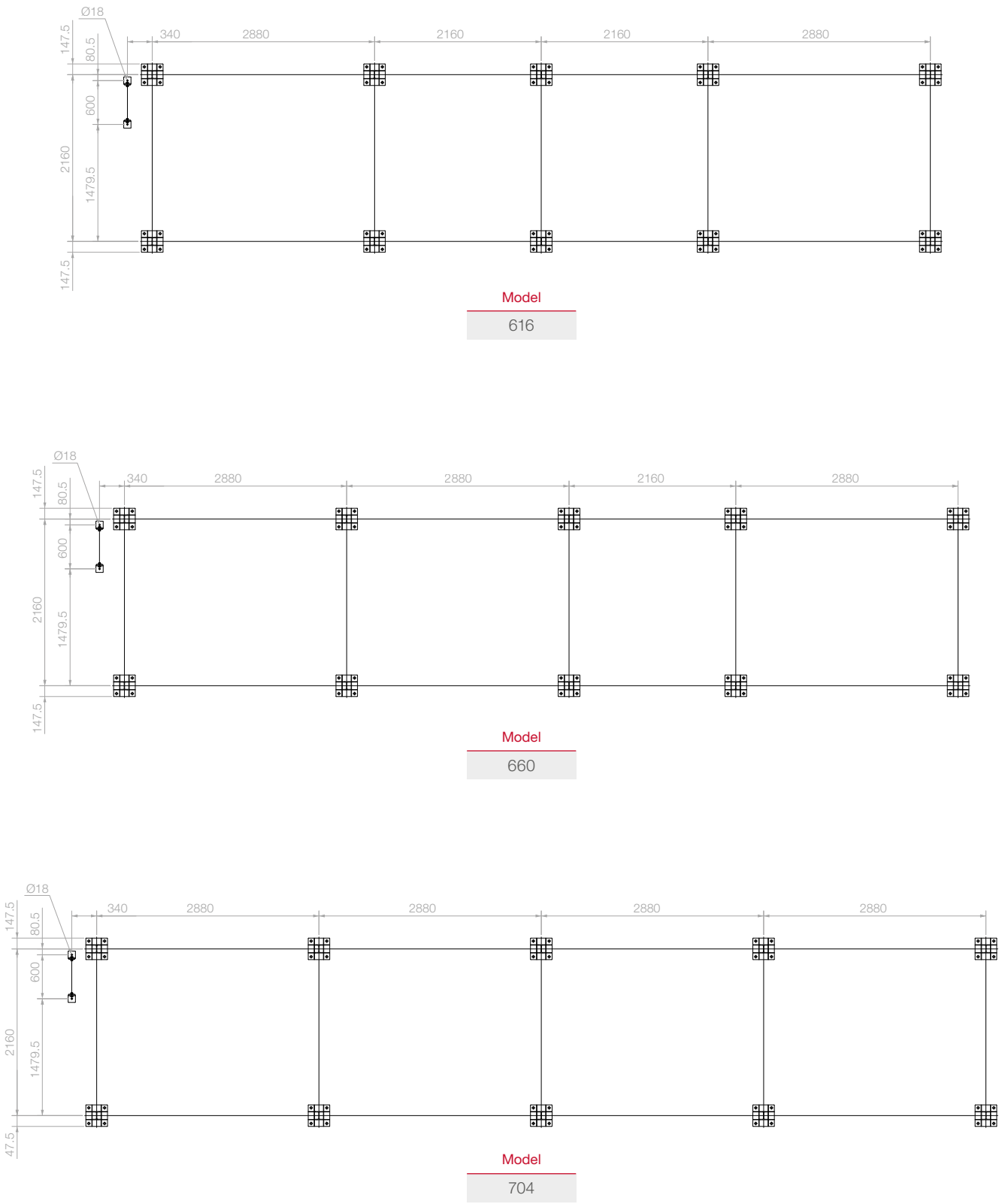
WONDAIR™ Max - Arrangement C



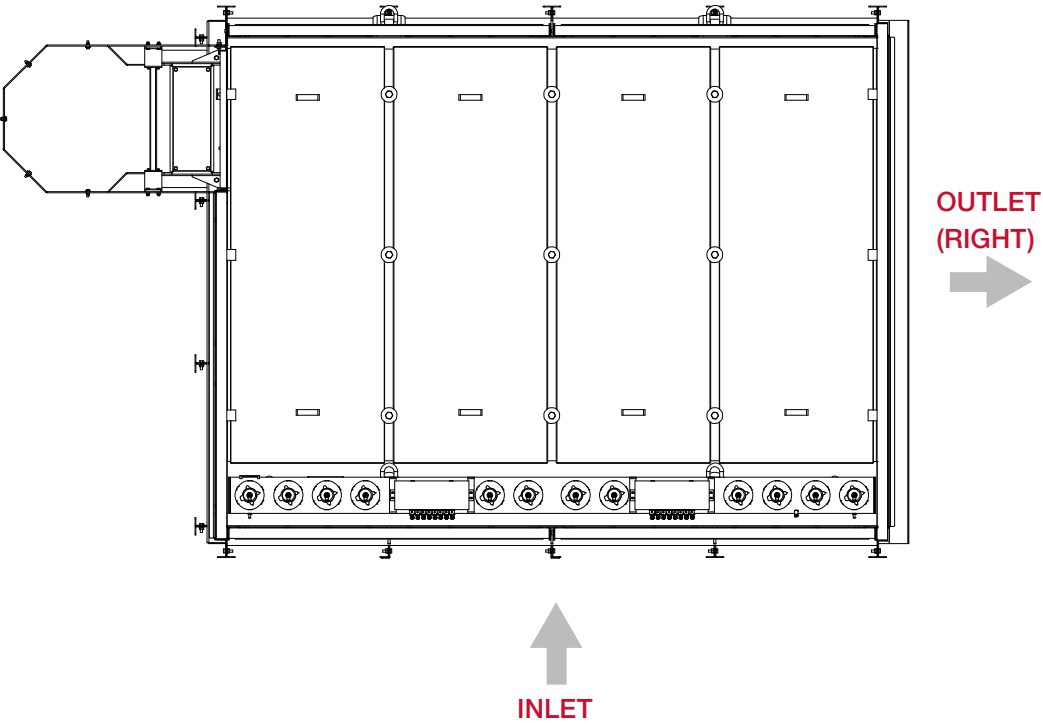
Painting	Cleaning system	Outlet flange	Inlet flanges	Structure	WONDAIR™ Max - C ATEX	WONDAIR™ Max - C	WONDAIR™ Max - B	WONDAIR™ Max - A	Support Structure	Introduction	Versions
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Structure

WONDAIR™ Max - Arrangement B

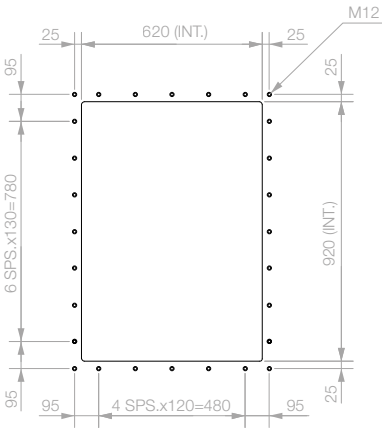


Arrangement of the flanges



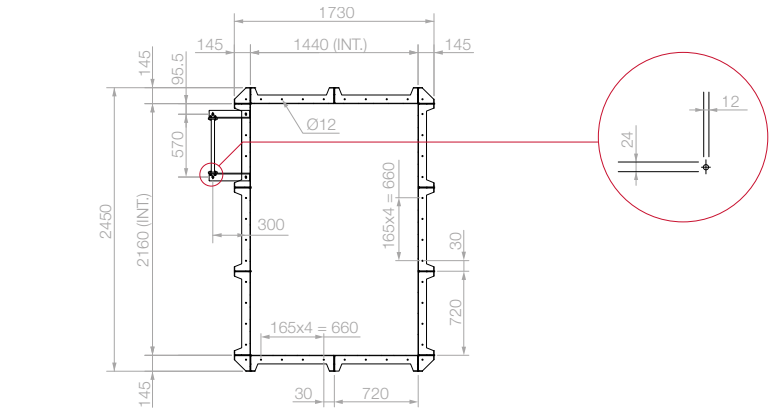
Inlet flanges

WONDAIR™ Max - Arrangement C



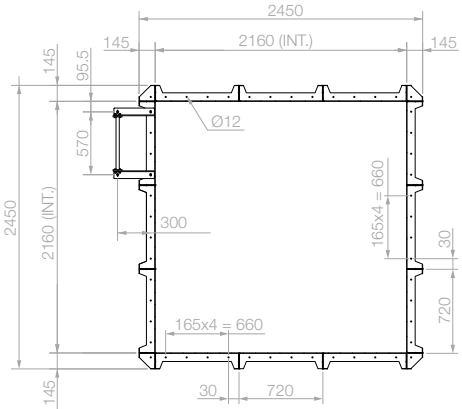
Inlet flanges

WONDAIR™ Max - Arrangement B



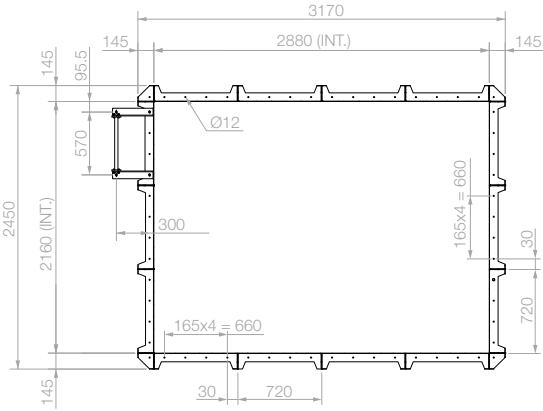
Model

88



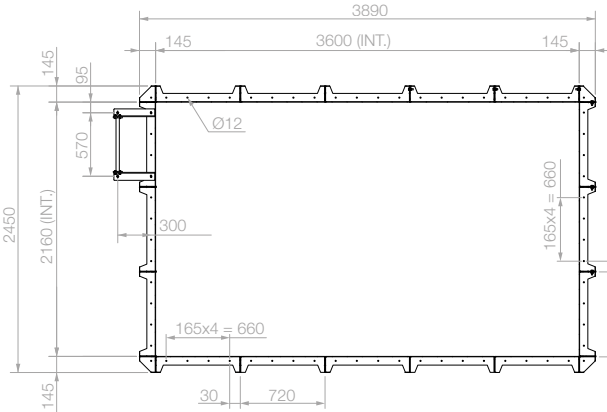
Model

132



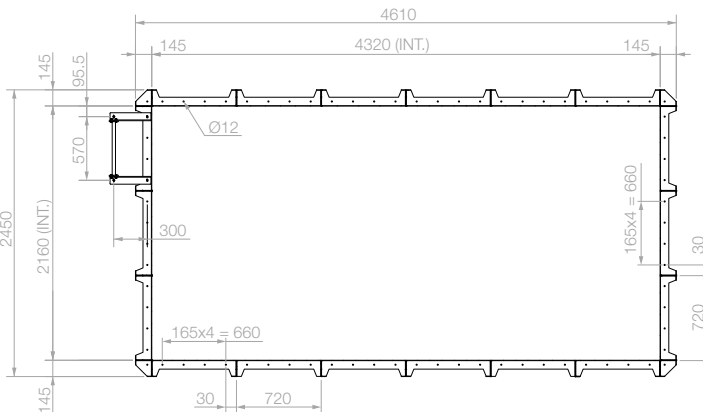
Model

176



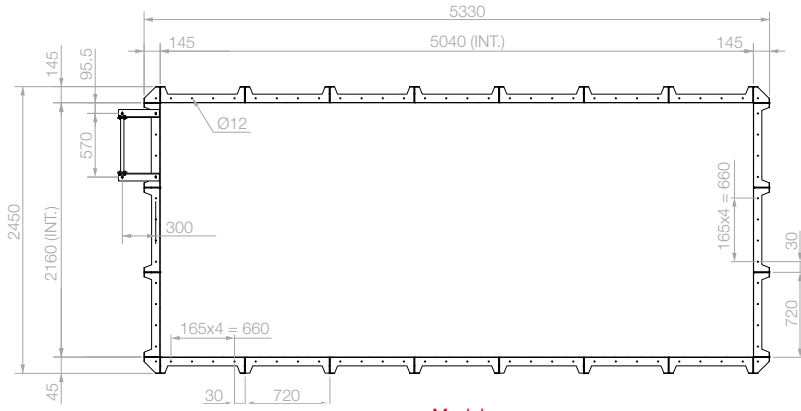
Model

220



Model

264

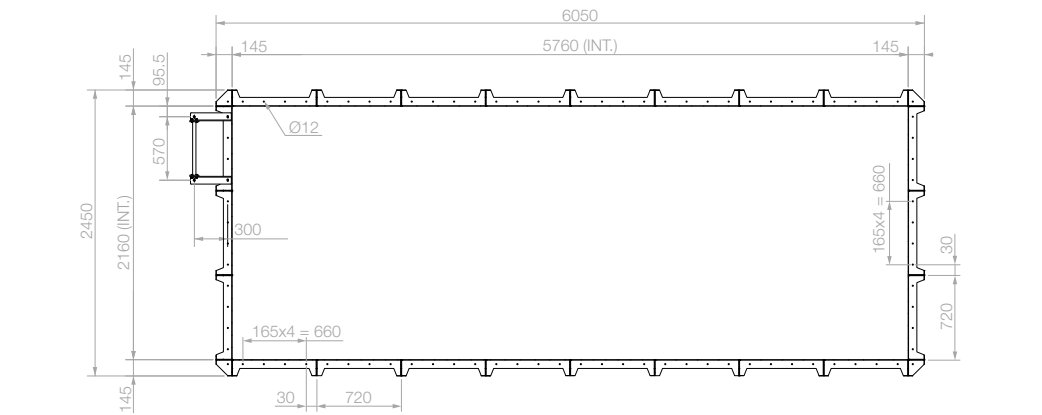


Model

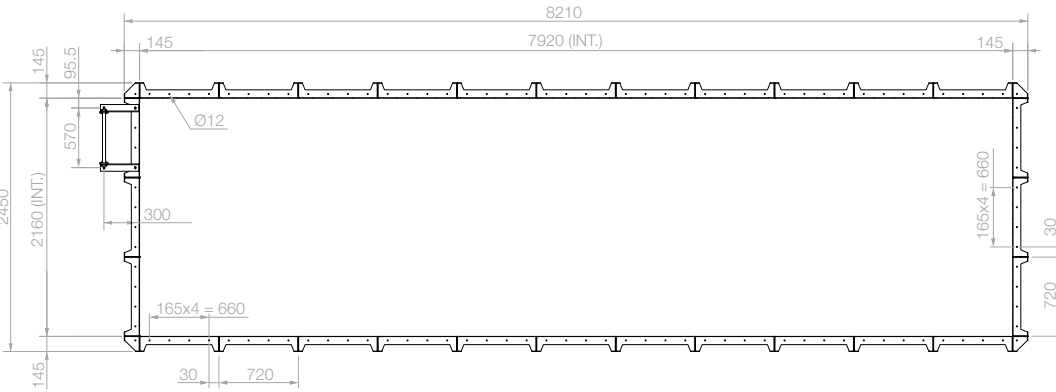
308

Inlet flanges

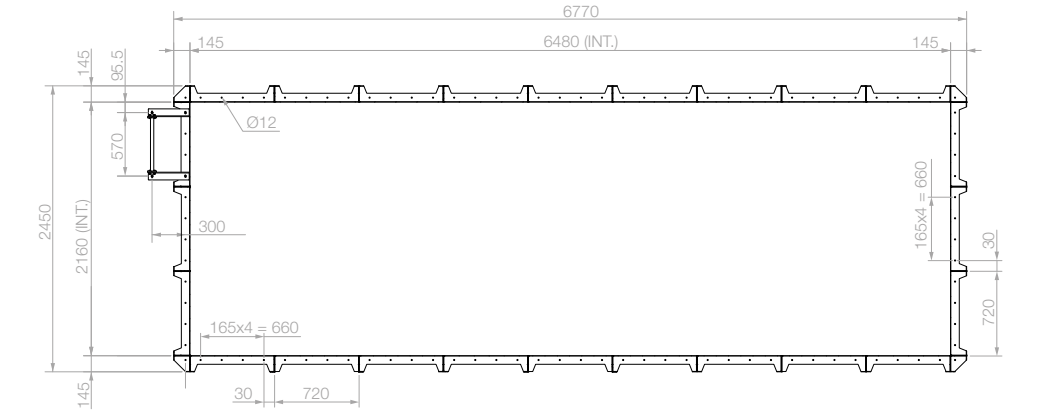
WONDAIR™ Max - Arrangement B



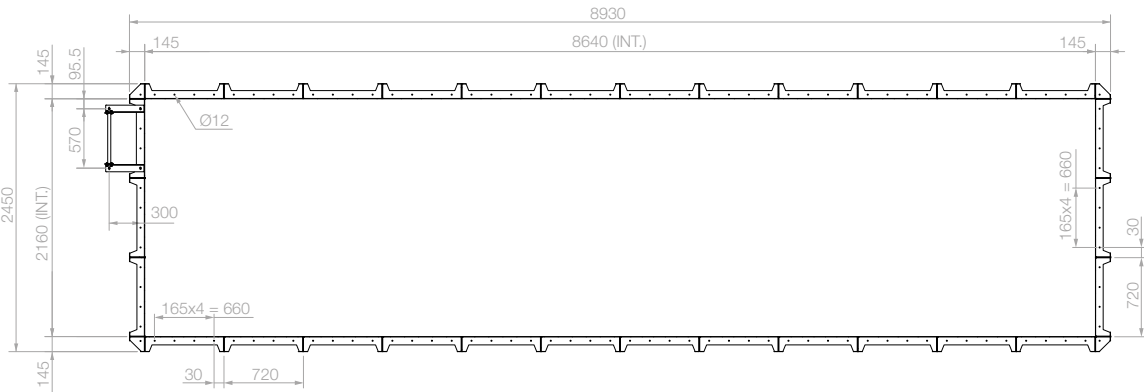
Model
352



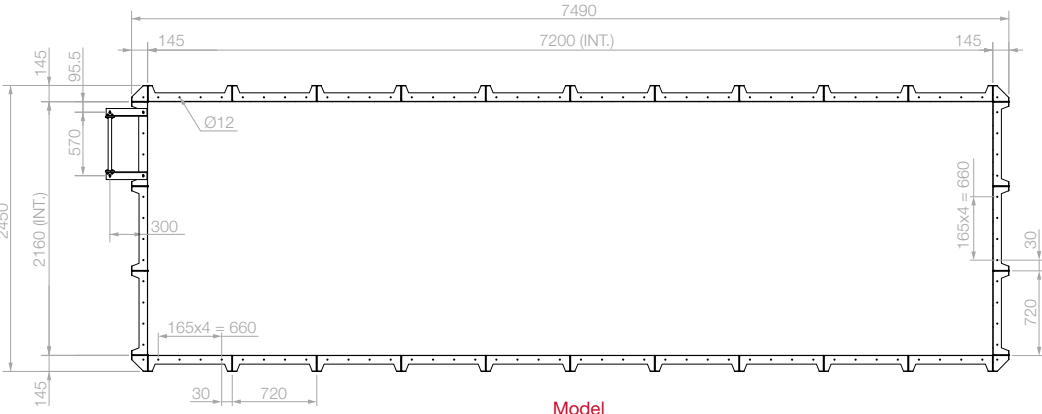
Model
484



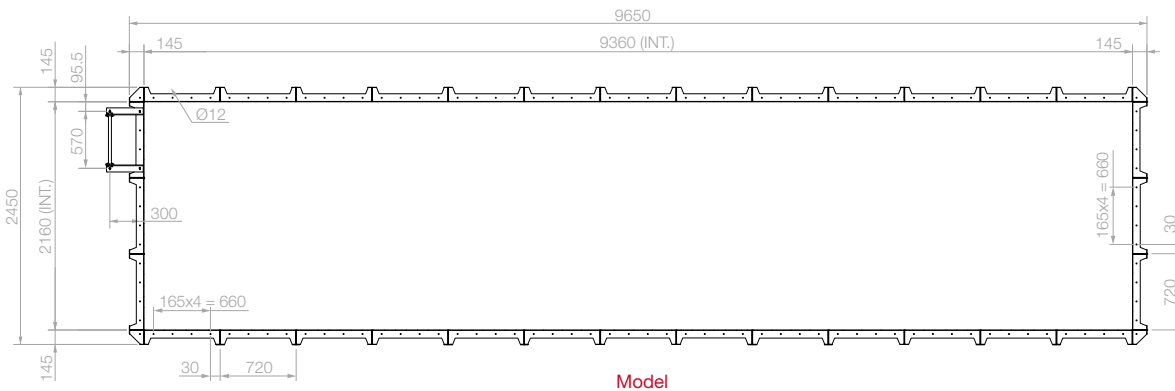
Model
396



Model
528



Model
440

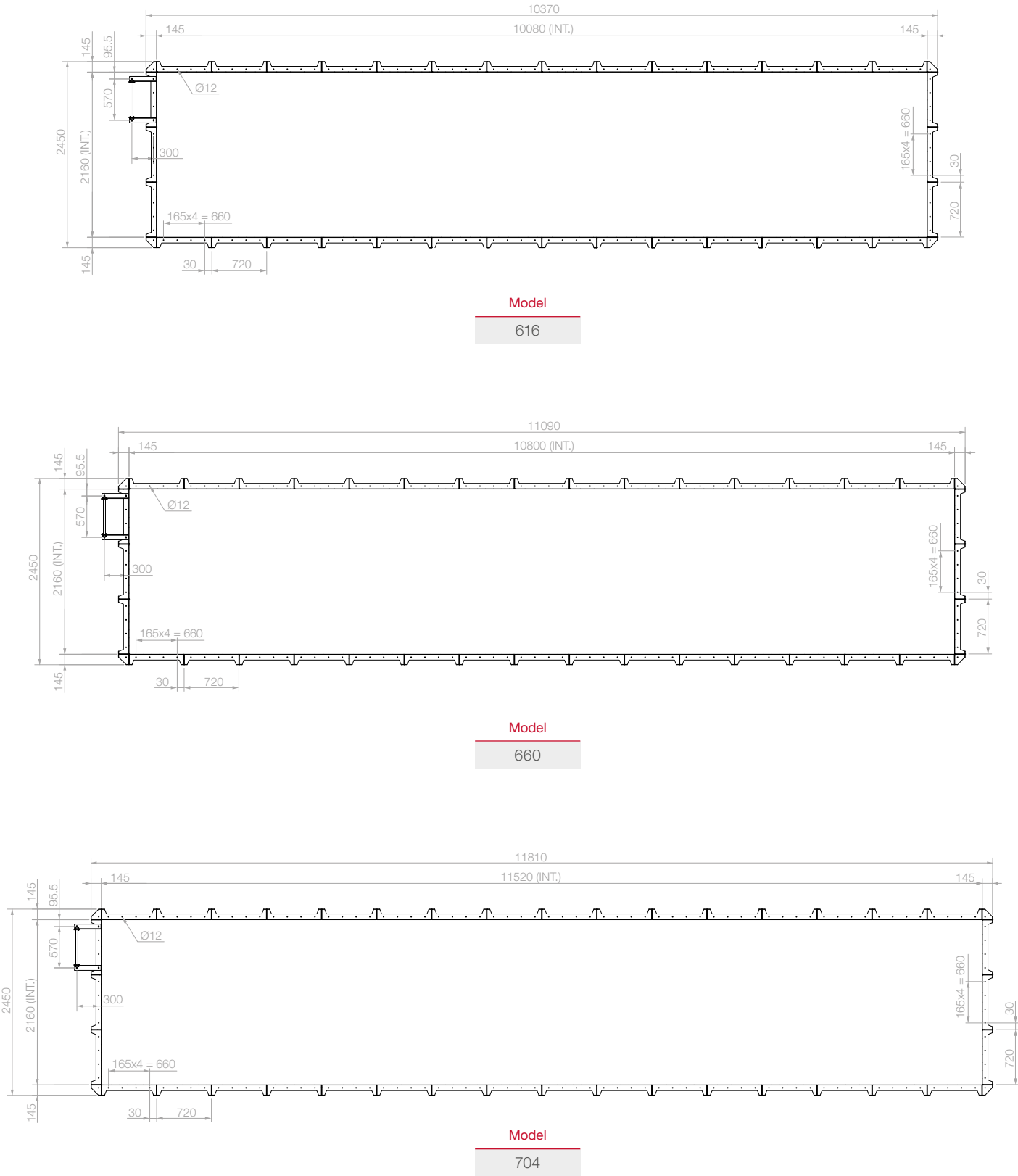


Model
572

Painting	Cleaning system	Outlet flange	Inlet flanges	Structure	WONDAIR™ Max - C ATEX	WONDAIR™ Max - C	WONDAIR™ Max - B	WONDAIR™ Max - A	Support Structure	Introduction	Versions
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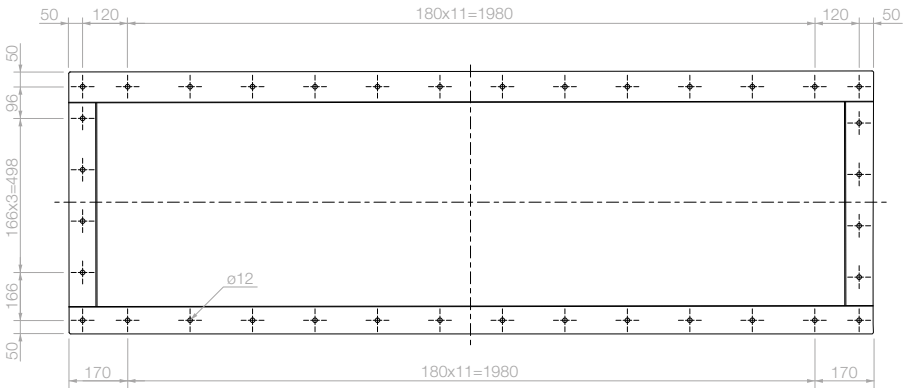
Inlet flanges

WONDAIR[™] Max - Arrangement B



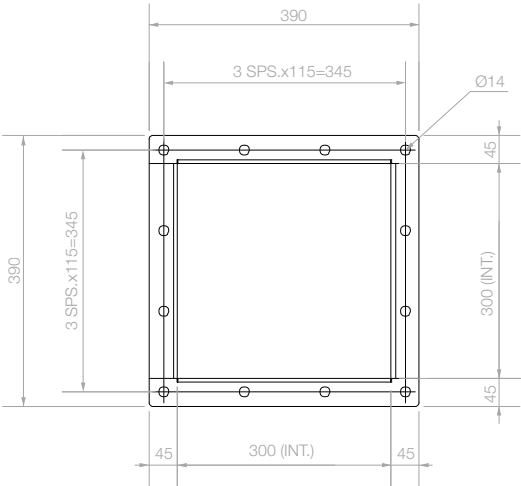
Outlet flange

WONDAIR[™] Max - All the models



Hopper discharge flange

WONDAIR[™] Max - Arrangement C



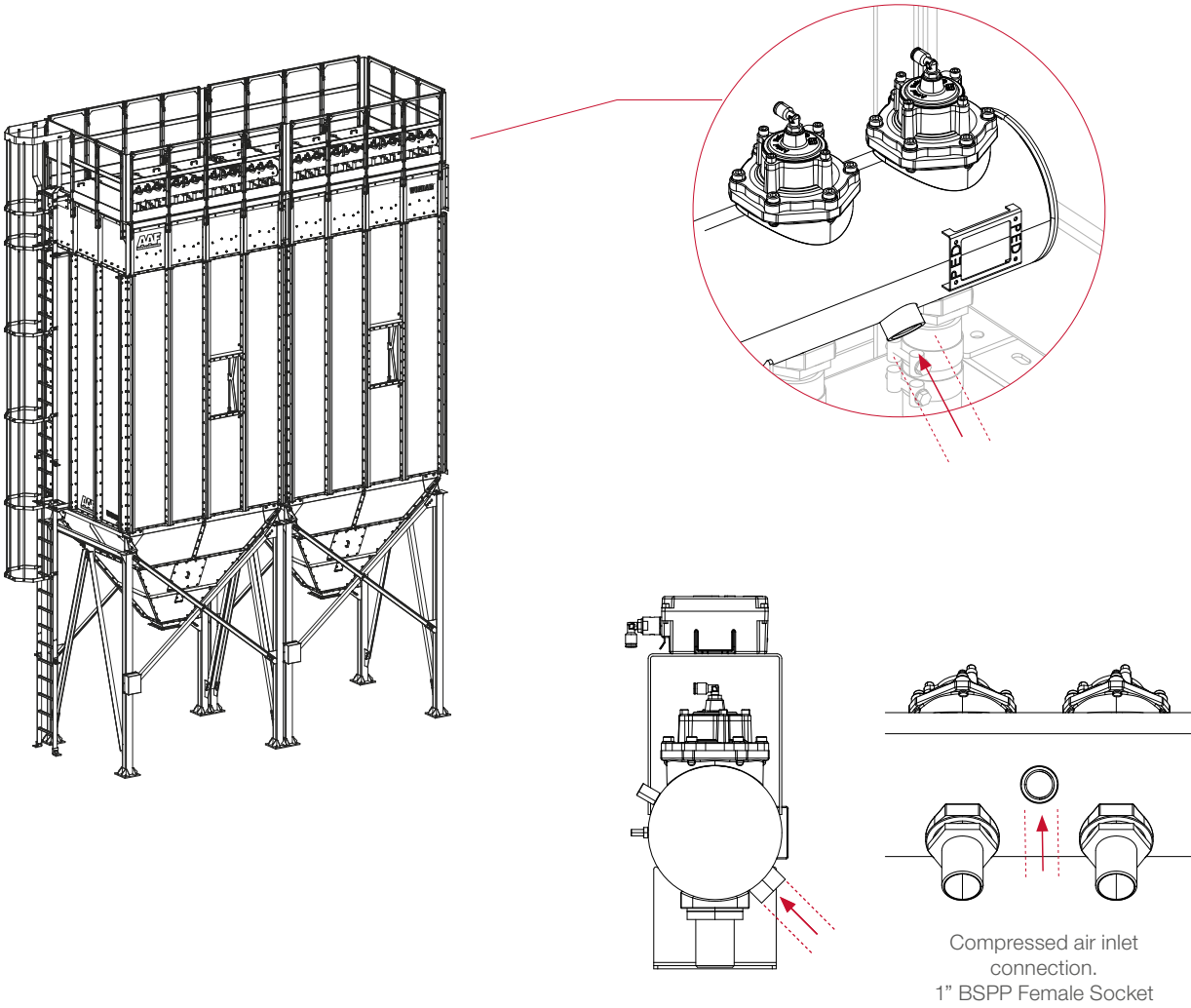
Cleaning system

Compressed air consumption

Size		Required air NI/min		
		4 bar	5 bar	6 bar
Manifold 8 valves 1 1/2'	6"x1500 (L)	160	180	220
Manifold 12 valves 1 1/2"	6"x2260 (L)	170	190	230
Manifold 16 valves 1 1/2"	6"x3020 (L)	170	230	270

- * Air consumption per blow valve.
Type of valve: dual membrane
Valve size: 1 1/2"
- * 100ms blow bursts every 30 seconds

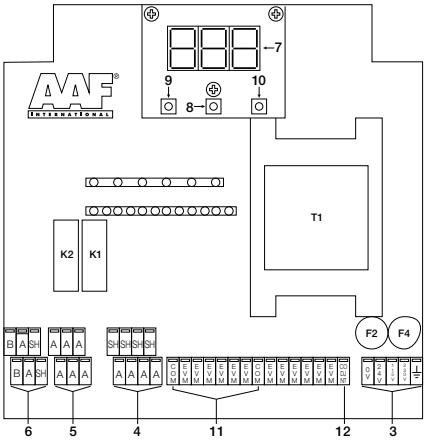
Compressed air connection



REDClean® GammaPulse 12

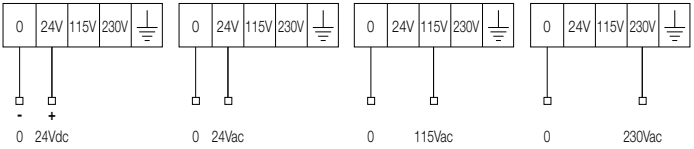
Cleaning Controller

Power supply	24 Vac	115 Vac	230 Vac
(option)	24 Vdc		
Fuses	F2 general fuse 2A 5x20		
	F4 solenoid power supply fuses 1.6A 5x20 delayed		
Operating temperature	-10 / +50 °C		
Connections	Terminals with screw. Use ATEX packing glands for the cable outlets to ensure the certification remains current		
Maximum absorbed power	100 VA		
Inputs	no.4 opto-isolated inputs		
Relay inputs	no.2 relay 2A resistive load 115 Vac		
Solenoid valve output	Triac outputs with ON/OFF steel/crossing. 24, 115 or 230 VAC and 24 VDC with a max. current of 2A		



Connections

Power supply terminals



Power supply voltage

- * For more information about the REDClean® Controller GammaPulse 12 from AAF International, please refer to the specific Operating and Installation manual for this device.

WONDAIR™ Max painting

Painting colours

	ALL Versions, except HIGH Temp version	HIGH Temp. version (200°)
HOUSING (Outside)	RAL 7035 (Grey)	approx. RAL 9005 (Black)
HOUSING (Inside & Internals)	AESTHETIC protection	
ROOF DOORS	RAL 7035 (ANTI-SLIDING)	
MANIFOLDS	RAL 7035 (Grey)	
Support Structure	RAL 3020 (Red)	
Handrails + Vertical LADDERS	RAL 3020 (Red)	
OFF-Line INTER-Modular Panel	AESTHETIC protection	

Painting quality

General quality grade (except High Temperature version).

	WONDAIR™ Max Versions		
	DEFAULT painting	SPECIAL “C4H”	SPECIAL “C5H”
HOUSING (Outside)	C3M	C4H	C5H
HOUSING (Inside & Internals)	-	-	-
ROOF DOORS	C3M	C4H	C5H
MANIFOLDS	C3L	C4H	C5H
Support Structure	C3M	C4H	C5H
Handrails + Vertical LADDERS	C3M	C4H	C5H
OFF-Line INTER-Modular Panel	-	-	-

Quality grade for High Temperature version.

	WONDAIR™ Max - High temperature versions		
	DEFAULT painting	SPECIAL “C4H”	SPECIAL “C5H”
HOUSING (Outside)	-	-	-
HOUSING (Inside & Internals)	-	-	-
ROOF DOORS	C3M	C4H	C5H
MANIFOLDS	C3L	C4H	C5H
Support Structure	C3M	C4H	C5H
Handrails + Vertical LADDERS	C3M	C4H	C5H
OFF-Line INTER-Modular Panel	-	-	-

Exceptions

When default painting is applied, following items will receive a special painting.

ZINC PROTECTIVE layer:

- Tube sheet.
- Blowing pipes.
- Blowing pipes support and in the rest of head internals.
- Supports of the deflector plate + angle for connecting to outside plates.
- Stiffener pipe inside the hopper & Inter-mod.
- Lifting lugs support.

HOT deep GALVANISED:

- Bridges and big washers used for tightening the roof doors.



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 calibre 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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