



Donaldson
FILTRATION SOLUTIONS

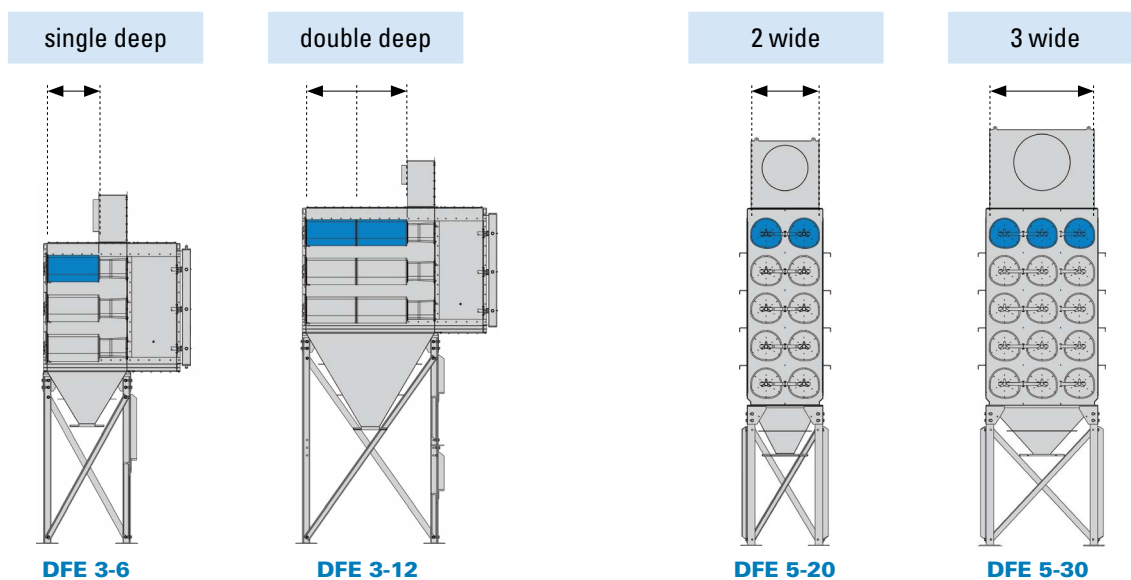
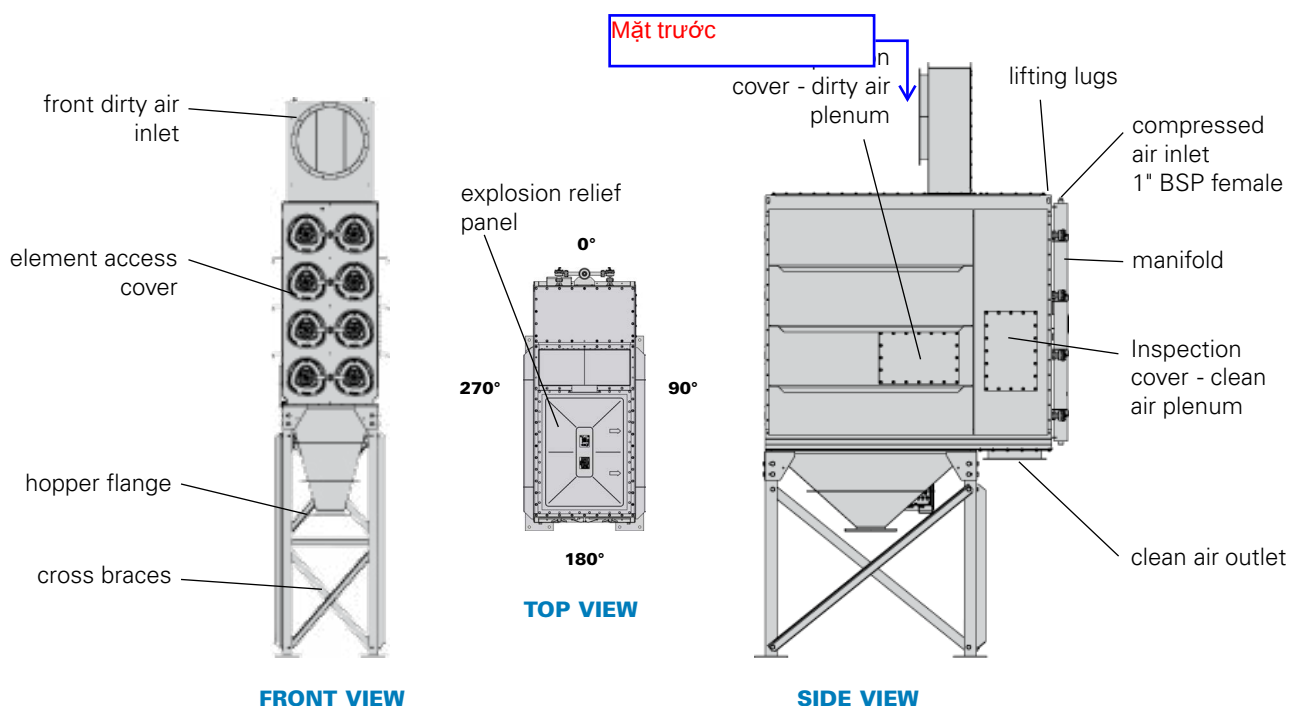
TECHNICAL DATASHEET

Downflo® Evolution Dust Collectors



DESIGN SPECIFICATIONS

The DFE dust collector is a highly configurable product. This datasheet covers the main properties and options. However, for an outline drawing that represents your exact configuration, always contact your Donaldson representative.



DESIGN LIMITS

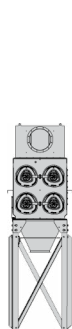
Operating temperature: -10° to +60°C

Maximum operating pressure: ±5 kPa (500 mm WG)

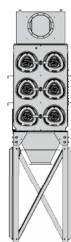
Reinforced unit maximum allowed P_{red} : 40 kPa (5000 mm WG)

Wind load rating: 145 km/h

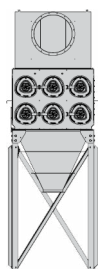
MODEL OVERVIEW



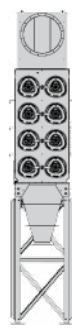
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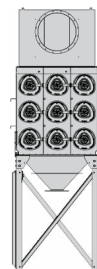
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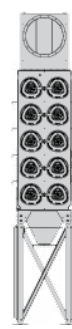
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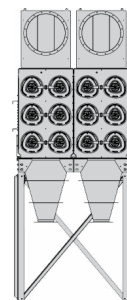
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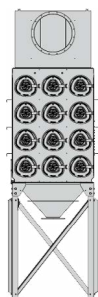
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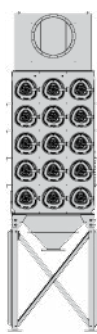
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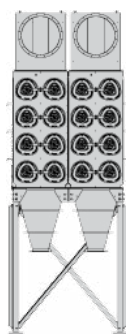
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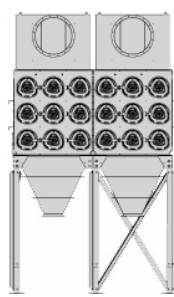
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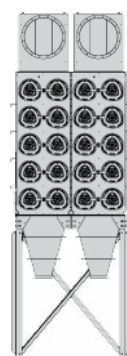
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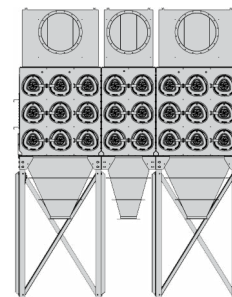
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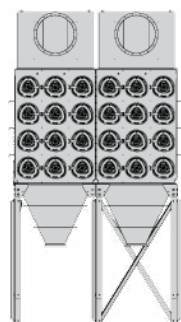
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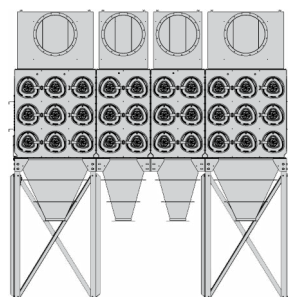
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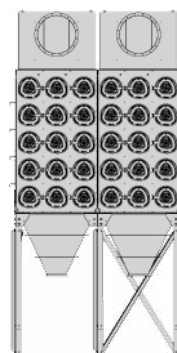
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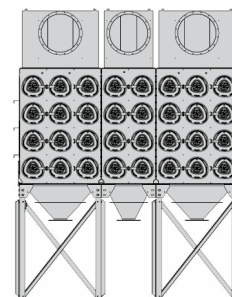
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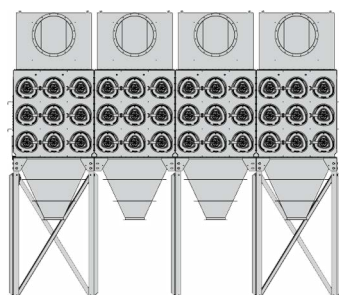
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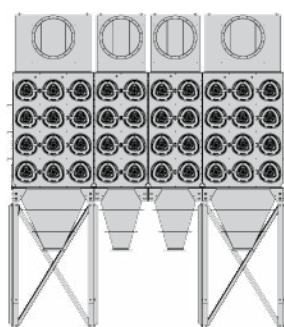
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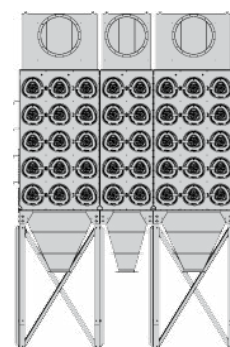
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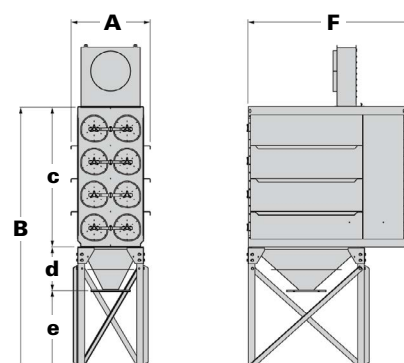
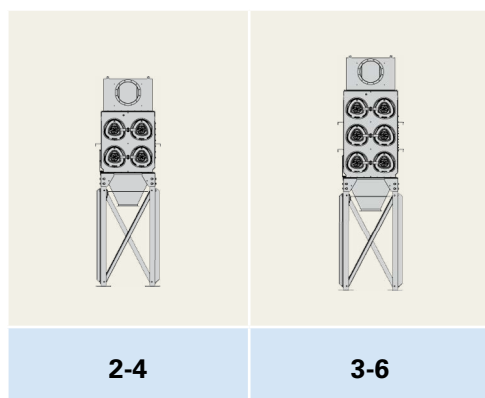


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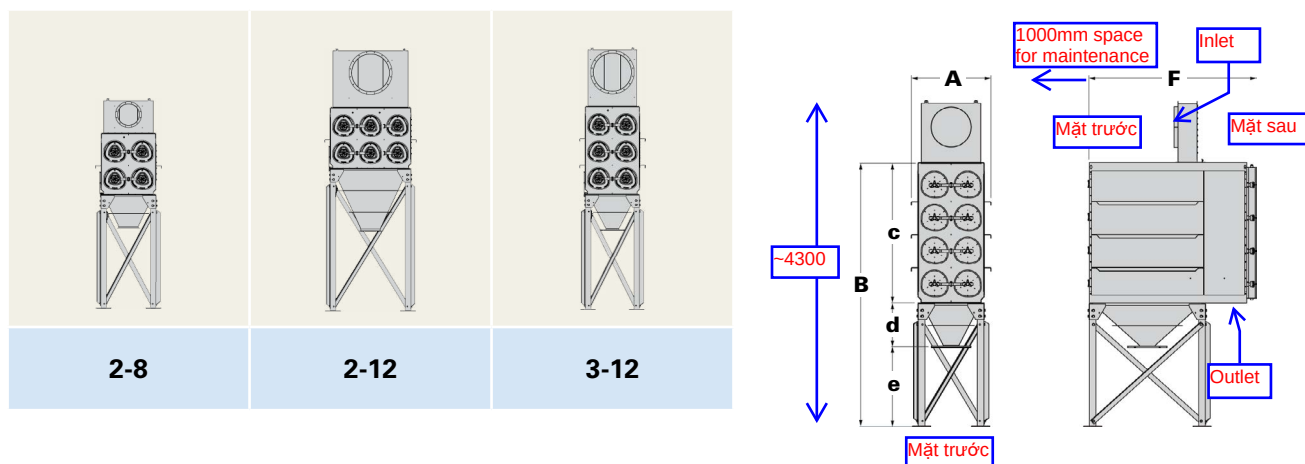
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DIMENSIONS & SPECIFICATIONS



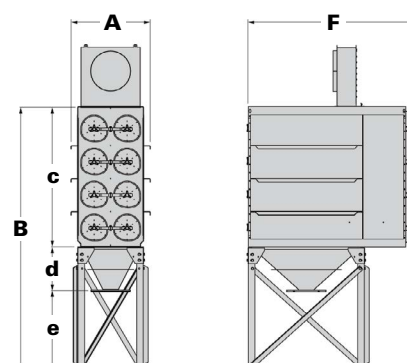
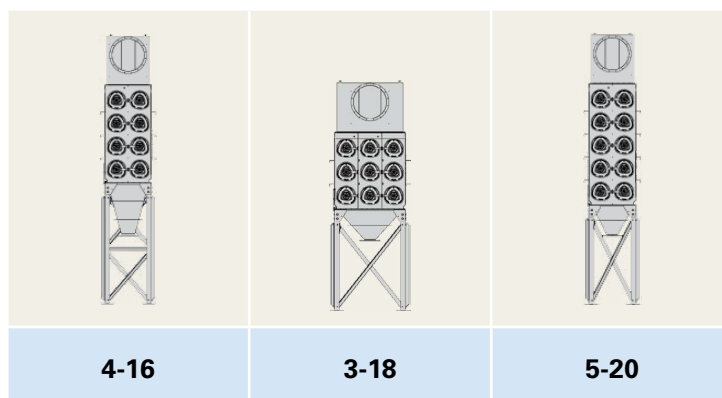
Model	Width modules	No. of cartridges	No. of valves	Single/ Double	Hopper type	Dust disposal system	Dimensions (mm)					
							A	B	c	d	e	F
2-4	2	4	4	single deep	steep	200 L drum	1225	3266	1143	623	1500	1894
						80 L drum	1225	2831	1143	623	1065	1894
						hook-on dustbin	1225	2166	1143	623	400	1894
						quick release	1225	2166	1143	623	400	1894
						rotary airlock	1225	3266	1143	623	1500	1894
					shallow	200 L drum	1225	3075	1143	432	1500	1894
						80 L drum	1225	2640	1143	432	1065	1894
						hook-on dustbin	1225	1975	1143	432	400	1894
						quick release	1225	1975	1143	432	400	1894
						rotary airlock	1225	3075	1143	432	1500	1894
3-6	2	6	6	single deep	steep	200 L drum	1225	3774	1651	623	1500	1894
						80 L drum	1225	3339	1651	623	1065	1894
						hook-on dustbin	1225	2674	1651	623	400	1894
						quick release	1225	2674	1651	623	400	1894
						rotary airlock	1225	3774	1651	623	1500	1894
					shallow	200 L drum	1225	3583	1651	432	1500	1894
						80 L drum	1225	3148	1651	432	1065	1894
						hook-on dustbin	1225	2483	1651	432	400	1894
						quick release	1225	2483	1651	432	400	1894
						rotary airlock	1225	3583	1651	432	1500	1894

DIMENSIONS & SPECIFICATIONS



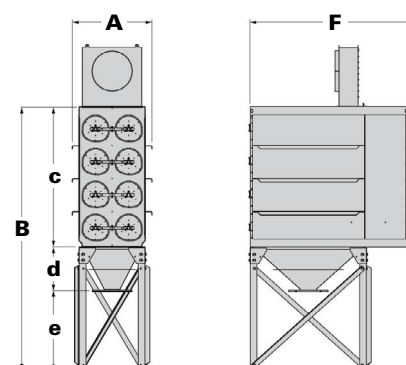
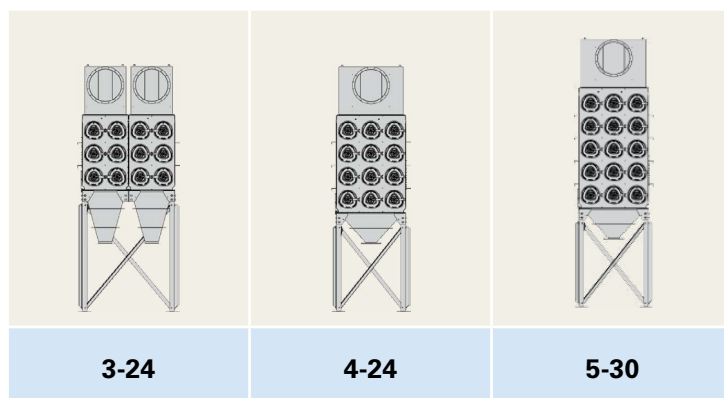
Model	Width modules	No. of cartridges	No. of valves	Single/Double	Hopper type	Dust disposal system	Dimensions (mm)					
							A	B	c	d	e	F
2-8	2	8	4	double deep	steep	200 L drum	1225	3816	1143	1173	1500	2567
						80 L drum	1225	3381	1143	1173	1065	2567
						hook-on dustbin	1225	2716	1143	1173	400	2567
						quick release	1225	2716	1143	1173	400	2567
						rotary airlock	1225	3816	1143	1173	1500	2567
					shallow	200 L drum	1225	3328	1143	685	1500	2567
						80 L drum	1225	2893	1143	685	1065	2567
						hook-on dustbin	1225	2228	1143	685	400	2567
						quick release	1225	2228	1143	685	400	2567
						rotary airlock	1225	3328	1143	685	1500	2567
2-12	3	12	6	double deep	steep	200 L drum	1727	3816	1143	1173	1500	2567
						80 L drum	1727	3381	1143	1173	1065	2567
						hook-on dustbin	1727	2716	1143	1173	400	2567
						quick release	1727	2716	1143	1173	400	2567
						rotary airlock	1727	3816	1143	1173	1500	2567
					shallow	200 L drum	1727	3328	1143	685	1500	2567
						80 L drum	1727	2893	1143	685	1065	2567
						hook-on dustbin	1727	2228	1143	685	400	2567
						quick release	1727	2228	1143	685	400	2567
						rotary airlock	1727	3328	1143	685	1500	2567
3-12	2	12	6	double deep	steep	200 L drum	1225	4324	1651	1173	1500	2567
						80 L drum	1225	3889	1651	1173	1065	2567
						hook-on dustbin	1225	3224	1651	1173	400	2567
						quick release	1225	3224	1651	1173	400	2567
						rotary airlock	1225	4324	1651	1173	1500	2567
					shallow	200 L drum	1225	3836	1651	685	1500	2567
						80 L drum	1225	3401	1651	685	1065	2567
						hook-on dustbin	1225	2736	1651	685	400	2567
						quick release	1225	2736	1651	685	400	2567
						rotary airlock	1225	3836	1651	685	1500	2567

DIMENSIONS & SPECIFICATIONS



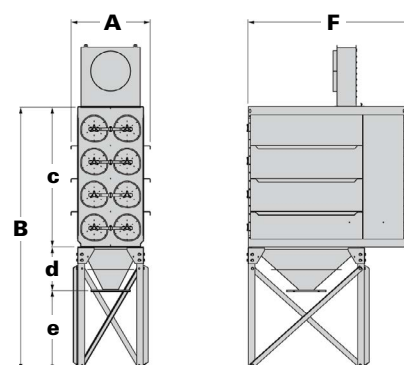
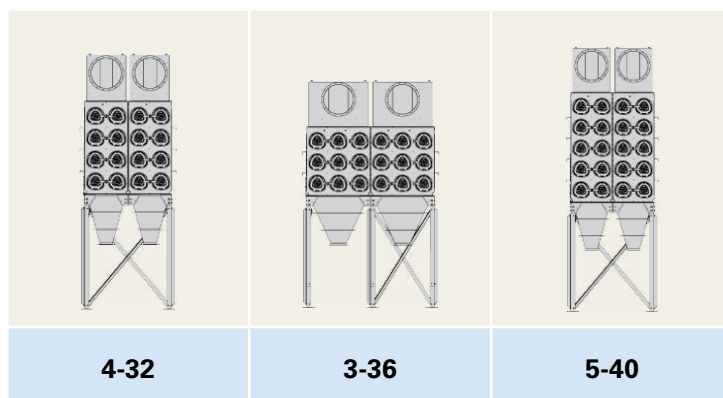
Model	Width modules	No. of cartridges	No. of valves	Single/ Double	Hopper type	Dust disposal system	Dimensions (mm)					
							A	B	c	d	e	F
4-16	2	16	8	double deep	steep	200 L drum	1225	4832	2159	1173	1500	2567
						80 L drum	1225	4397	2159	1173	1065	2567
						hook-on dustbin	1225	3732	2159	1173	400	2567
						quick release	1225	3732	2159	1173	400	2567
						rotary airlock	1225	4832	2159	1173	1500	2567
					shallow	200 L drum	1225	4344	2159	685	1500	2567
						80 L drum	1225	3909	2159	685	1065	2567
						hook-on dustbin	1225	3244	2159	685	400	2567
						quick release	1225	3244	2159	685	400	2567
						rotary airlock	1225	4344	2159	685	1500	2567
3-18	3	18	9	double deep	steep	200 L drum	1727	4324	1651	1173	1500	2567
						80 L drum	1727	3889	1651	1173	1065	2567
						hook-on dustbin	1727	3224	1651	1173	400	2567
						quick release	1727	3224	1651	1173	400	2567
						rotary airlock	1727	4324	1651	1173	1500	2567
					shallow	200 L drum	1727	3836	1651	685	1500	2567
						80 L drum	1727	3401	1651	685	1065	2567
						hook-on dustbin	1727	2736	1651	685	400	2567
						quick release	1727	2736	1651	685	400	2567
						rotary airlock	1727	3836	1651	685	1500	2567
5-20	2	20	10	double deep	steep	200 L drum	1225	5348	2675	1173	1500	2567
						80 L drum	1225	4913	2675	1173	1065	2567
						hook-on dustbin	1225	4248	2675	1173	400	2567
						quick release	1225	4248	2675	1173	400	2567
						rotary airlock	1225	5348	2675	1173	1500	2567
					shallow	200 L drum	1225	4860	2675	685	1500	2567
						80 L drum	1225	4425	2675	685	1065	2567
						hook-on dustbin	1225	3760	2675	685	400	2567
						quick release	1225	3760	2675	685	400	2567
						rotary airlock	1225	4860	2675	685	1500	2567

DIMENSIONS & SPECIFICATIONS



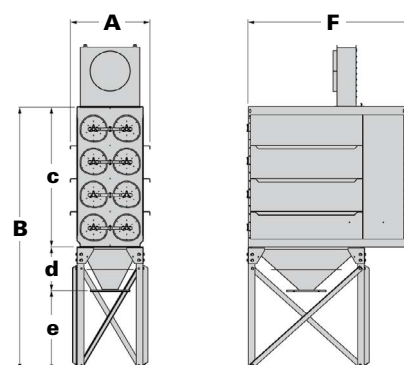
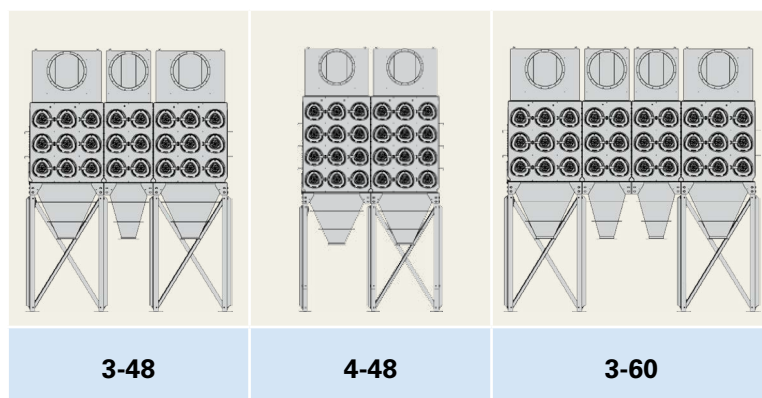
Model	Width modules	No. of cartridges	No. of valves	Single/ Double	Hopper type	Dust disposal system	Dimensions (mm)					
							A	B	c	d	e	F
3-24	2 + 2	24	12	double deep	steep	200 L drum	2241	4324	1651	1173	1500	2567
						80 L drum	2241	3889	1651	1173	1065	2567
						hook-on dustbin	2241	3224	1651	1173	400	2567
						quick release	2241	3224	1651	1173	400	2567
						rotary airlock	2241	4324	1651	1173	1500	2567
					shallow	200 L drum	2241	3836	1651	685	1500	2567
						80 L drum	2241	3401	1651	685	1065	2567
						hook-on dustbin	2241	2736	1651	685	400	2567
						quick release	2241	2736	1651	685	400	2567
						rotary airlock	2241	3836	1651	685	1500	2567
4-24	3	24	12	double deep	steep	200 L drum	1727	4832	2159	1173	1500	2567
						80 L drum	1727	4397	2159	1173	1065	2567
						hook-on dustbin	1727	3732	2159	1173	400	2567
						quick release	1727	3732	2159	1173	400	2567
						rotary airlock	1727	4832	2159	1173	1500	2567
					shallow	200 L drum	1727	4344	2159	685	1500	2567
						80 L drum	1727	3909	2159	685	1065	2567
						hook-on dustbin	1727	3244	2159	685	400	2567
						quick release	1727	3244	2159	685	400	2567
						rotary airlock	1727	4344	2159	685	1500	2567
5-30	3	30	15	double deep	steep	200 L drum	1727	5348	2675	1173	1500	2567
						80 L drum	1727	4913	2675	1173	1065	2567
						hook-on dustbin	1727	4248	2675	1173	400	2567
						quick release	1727	4248	2675	1173	400	2567
						rotary airlock	1727	5348	2675	1173	1500	2567
					shallow	200 L drum	1727	4860	2675	685	1500	2567
						80 L drum	1727	4425	2675	685	1065	2567
						hook-on dustbin	1727	3760	2675	685	400	2567
						quick release	1727	3760	2675	685	400	2567
						rotary airlock	1727	4860	2675	685	1500	2567

DIMENSIONS & SPECIFICATIONS



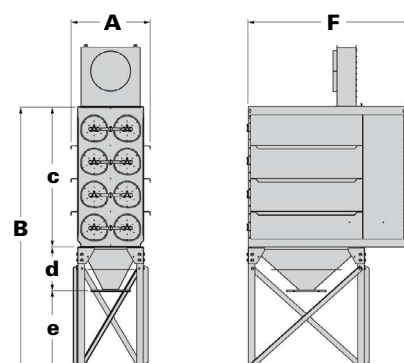
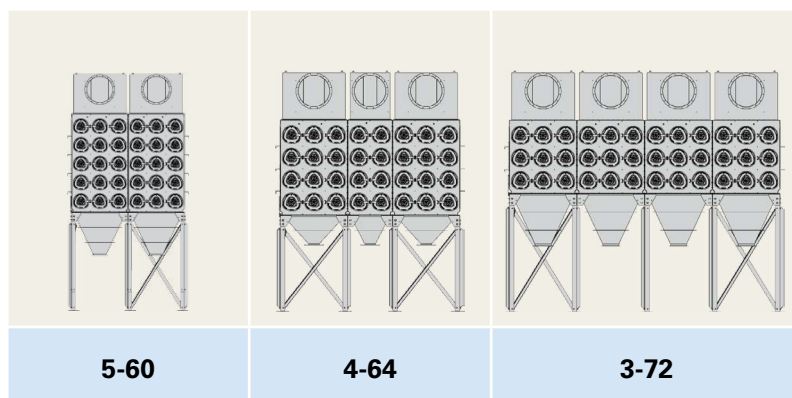
Model	Width modules	No. of cartridges	No. of valves	Single/Double	Hopper type	Dust disposal system	Dimensions (mm)					
							A	B	c	d	e	F
4-32	2 + 2	32	16	double deep	steep	200 L drum	2241	4832	2159	1173	1500	2567
						80 L drum	2241	4397	2159	1173	1065	2567
						hook-on dustbin	2241	3732	2159	1173	400	2567
						quick release	2241	3732	2159	1173	400	2567
						rotary airlock	2241	4832	2159	1173	1500	2567
					shallow	200 L drum	2241	4344	2159	685	1500	2567
						80 L drum	2241	3909	2159	685	1065	2567
						hook-on dustbin	2241	3244	2159	685	400	2567
						quick release	2241	3244	2159	685	400	2567
						rotary airlock	2241	4344	2159	685	1500	2567
3-36	3 + 3	36	18	double deep	steep	200 L drum	3257	4324	1651	1173	1500	2567
						80 L drum	3257	3889	1651	1173	1065	2567
						hook-on dustbin	3257	3224	1651	1173	400	2567
						quick release	3257	3224	1651	1173	400	2567
						rotary airlock	3257	4324	1651	1173	1500	2567
					shallow	200 L drum	3257	3836	1651	685	1500	2567
						80 L drum	3257	3401	1651	685	1065	2567
						hook-on dustbin	3257	2736	1651	685	400	2567
						quick release	3257	2736	1651	685	400	2567
						rotary airlock	3257	3836	1651	685	1500	2567
5-40	2 + 2	40	20	double deep	steep	200 L drum	2241	5348	2675	1173	1500	2567
						80 L drum	2241	4913	2675	1173	1065	2567
						hook-on dustbin	2241	4248	2675	1173	400	2567
						quick release	2241	4248	2675	1173	400	2567
						rotary airlock	2241	5348	2675	1173	1500	2567
					shallow	200 L drum	2241	4860	2675	685	1500	2567
						80 L drum	2241	4425	2675	685	1065	2567
						hook-on dustbin	2241	3760	2675	685	400	2567
						quick release	2241	3760	2675	685	400	2567
						rotary airlock	2241	4860	2675	685	1500	2567

DIMENSIONS & SPECIFICATIONS



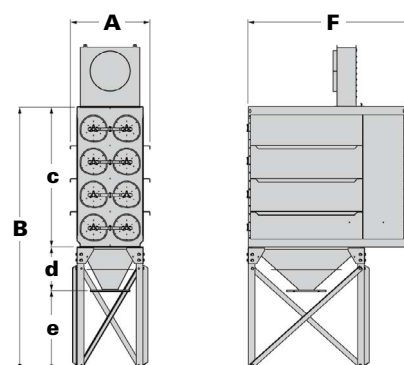
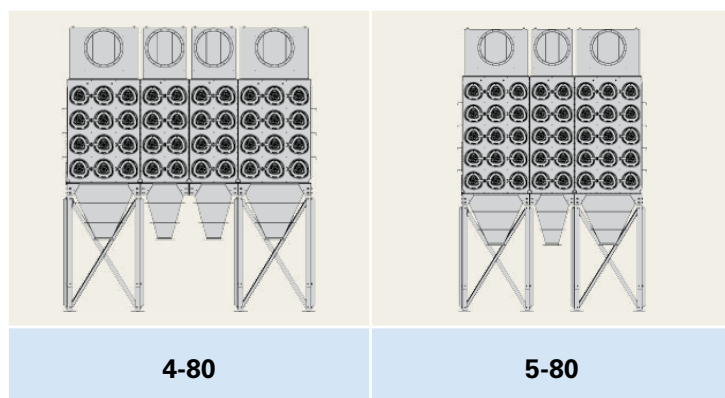
Model	Width modules	No. of cartridges	No. of valves	Single/Double	Hopper type	Dust disposal system	Dimensions (mm)					
							A	B	c	d	e	F
3-48	3 + 2 + 3	48	24	double deep	steep	200 L drum	4273	4324	1651	1173	1500	2567
						80 L drum	4273	3889	1651	1173	1065	2567
						hook-on dustbin	4273	3224	1651	1173	400	2567
						quick release	4273	3224	1651	1173	400	2567
						rotary airlock	4273	4324	1651	1173	1500	2567
					shallow	200 L drum	4273	3836	1651	685	1500	2567
						80 L drum	4273	3401	1651	685	1065	2567
						hook-on dustbin	4273	2736	1651	685	400	2567
						quick release	4273	2736	1651	685	400	2567
						rotary airlock	4273	3836	1651	685	1500	2567
4-48	3 + 3	48	24	double deep	steep	200 L drum	3257	4832	2159	1173	1500	2567
						80 L drum	3257	4397	2159	1173	1065	2567
						hook-on dustbin	3257	3732	2159	1173	400	2567
						quick release	3257	3732	2159	1173	400	2567
						rotary airlock	3257	4832	2159	1173	1500	2567
					shallow	200 L drum	3257	4344	2159	685	1500	2567
						80 L drum	3257	3909	2159	685	1065	2567
						hook-on dustbin	3257	3244	2159	685	400	2567
						quick release	3257	3244	2159	685	400	2567
						rotary airlock	3257	4344	2159	685	1500	2567
3-60	3 + 2 + 2 + 3	60	30	double deep	steep	200 L drum	5289	4324	1651	1173	1500	2567
						80 L drum	5289	3889	1651	1173	1065	2567
						hook-on dustbin	5289	3224	1651	1173	400	2567
						quick release	5289	3224	1651	1173	400	2567
						rotary airlock	5289	4324	1651	1173	1500	2567
					shallow	200 L drum	5289	3836	1651	685	1500	2567
						80 L drum	5289	3401	1651	685	1065	2567
						hook-on dustbin	5289	2736	1651	685	400	2567
						quick release	5289	2736	1651	685	400	2567
						rotary airlock	5289	3836	1651	685	1500	2567

DIMENSIONS & SPECIFICATIONS



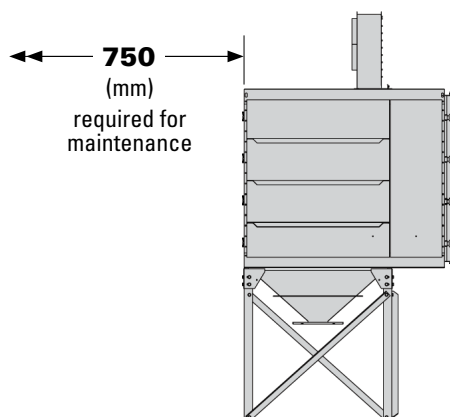
Model	Width modules	No. of cartridges	No. of valves	Single/Double	Hopper type	Dust disposal system	Dimensions (mm)					
							A	B	c	d	e	F
5-60	3 + 3	60	30	double deep	steep	200 L drum	3257	5348	2675	1173	1500	2567
						80 L drum	3257	4913	2675	1173	1065	2567
						hook-on dustbin	3257	4248	2675	1173	400	2567
						quick release	3257	4248	2675	1173	400	2567
						rotary airlock	3257	5348	2675	1173	1500	2567
					shallow	200 L drum	3257	4860	2675	685	1500	2567
						80 L drum	3257	4425	2675	685	1065	2567
						hook-on dustbin	3257	3760	2675	685	400	2567
						quick release	3257	3760	2675	685	400	2567
						rotary airlock	3257	4860	2675	685	1500	2567
4-64	3 + 2 + 3	64	32	double deep	steep	200 L drum	4273	4832	2159	1173	1500	2567
						80 L drum	4273	4397	2159	1173	1065	2567
						hook-on dustbin	4273	3732	2159	1173	400	2567
						quick release	4273	3732	2159	1173	400	2567
						rotary airlock	4273	4832	2159	1173	1500	2567
					shallow	200 L drum	4273	4344	2159	685	1500	2567
						80 L drum	4273	3909	2159	685	1065	2567
						hook-on dustbin	4273	3244	2159	685	400	2567
						quick release	4273	3244	2159	685	400	2567
						rotary airlock	4273	4344	2159	685	1500	2567
3-72	3 + 3 + 3 + 3	72	36	double deep	steep	200 L drum	6305	4324	1651	1173	1500	2567
						80 L drum	6305	3889	1651	1173	1065	2567
						hook-on dustbin	6305	3224	1651	1173	400	2567
						quick release	6305	3224	1651	1173	400	2567
						rotary airlock	6305	4324	1651	1173	1500	2567
					shallow	200 L drum	6305	3836	1651	685	1500	2567
						80 L drum	6305	3401	1651	685	1065	2567
						hook-on dustbin	6305	2736	1651	685	400	2567
						quick release	6305	2736	1651	685	400	2567
						rotary airlock	6305	3836	1651	685	1500	2567

DIMENSIONS & SPECIFICATIONS



Model	Width modules	No. of cartridges	No. of valves	Single/Double	Hopper type	Dust disposal system	Dimensions (mm)					
							A	B	c	d	e	F
4-80	3 + 2 + 2 + 3	80	40	double deep	steep	200 L drum	5289	4832	2159	1173	1500	2567
						80 L drum	5289	4397	2159	1173	1065	2567
						hook-on dustbin	5289	3732	2159	1173	400	2567
						quick release	5289	3732	2159	1173	400	2567
						rotary airlock	5289	4832	2159	1173	1500	2567
					shallow	200 L drum	5289	4344	2159	685	1500	2567
						80 L drum	5289	3909	2159	685	1065	2567
						hook-on dustbin	5289	3244	2159	685	400	2567
						quick release	5289	3244	2159	685	400	2567
						rotary airlock	5289	4344	2159	685	1500	2567
5-80	3 + 2 + 3	80	40	double deep	steep	200 L drum	4273	5348	2675	1173	1500	2567
						80 L drum	4273	4913	2675	1173	1065	2567
						hook-on dustbin	4273	4248	2675	1173	400	2567
						quick release	4273	4248	2675	1173	400	2567
						rotary airlock	4273	5348	2675	1173	1500	2567
					shallow	200 L drum	4273	4860	2675	685	1500	2567
						80 L drum	4273	4425	2675	685	1065	2567
						hook-on dustbin	4273	3760	2675	685	400	2567
						quick release	4273	3760	2675	685	400	2567
						rotary airlock	4273	4860	2675	685	1500	2567

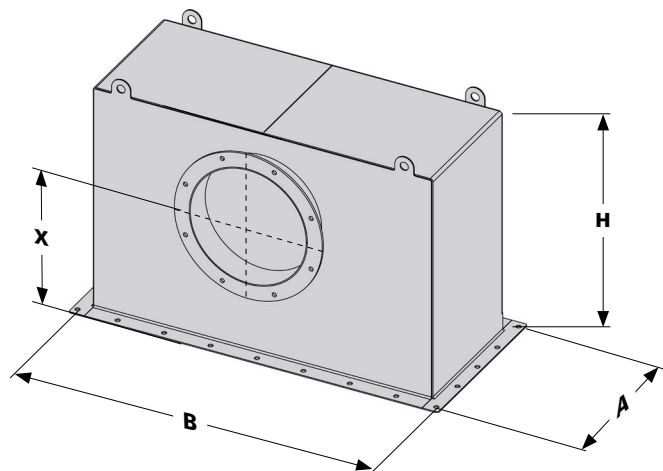
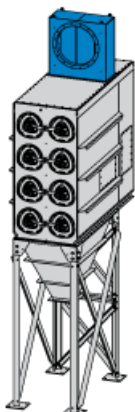
DIMENSIONS & SPECIFICATIONS



Model	No. of cartridges	Ultra-Web filter area (m ²)	Approx. shipping weight (kg)
2-4	4	95	857
3-6	6	142	1043
2-8	8	189	1043
2-12	12	284	1316
3-12	12	284	1043
4-16	16	378	1497
3-18	18	425	1588
5-20	20	472	1746
3-24	24	567	2041
4-24	24	567	1855
5-30	30	708	2177
4-32	32	756	2359
3-36	36	850	2585
5-40	40	944	2812
3-48	48	1133	3179
4-48	48	1133	3039
3-60	60	1416	4490
5-60	60	1416	3493
4-64	64	1511	4309
3-72	72	1700	5262
4-80	80	1888	5216
5-80	80	1888	4990

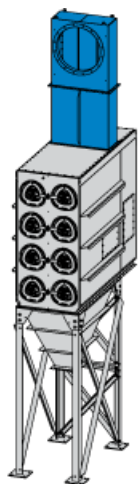
Media	Filter area per cartridge (m ²)
Ultra-Web	23.6

DIRTY AIR PLENUM - STANDARD INLET

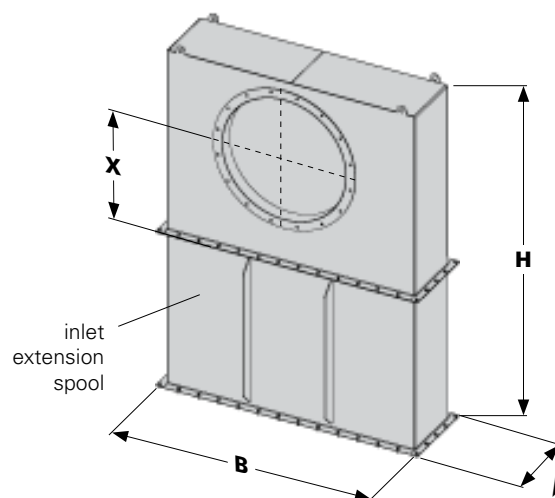


Flange	Configuration	Dimensions (mm)			
		A	B	X	H
NW160 *	2 wide	419	965	202	343
	3 wide	419	1473	202	343
NW200 *	2 wide	419	965	182	343
	3 wide	419	1473	182	343
NW250	2 wide	419	965	423	610
	3 wide	419	1473	423	610
NW280	2 wide	419	965	408	610
	3 wide	419	1473	408	610
NW315	2 wide	419	965	391	610
	3 wide	419	1473	391	610
NW355	2 wide	419	965	371	610
	3 wide	419	1473	371	610
NW400	2 wide	419	965	348	610
	3 wide	419	1473	348	610
NW450 **	2 wide	419	965	628	915
	3 wide	419	1473	628	915
NW500 **	2 wide	419	965	603	915
	3 wide	419	1473	603	915
NW560 **	2 wide	419	965	573	915
	3 wide	419	1473	573	915
NW630 **	2 wide	419	965	538	915
	3 wide	419	1473	538	915
NW710 **	2 wide	419	965	650	1067
	3 wide	419	1473	65	1067
* only for single deep units					
** only on double deep units					

DIRTY AIR PLENUM - INLET EXTENSION SPOOL



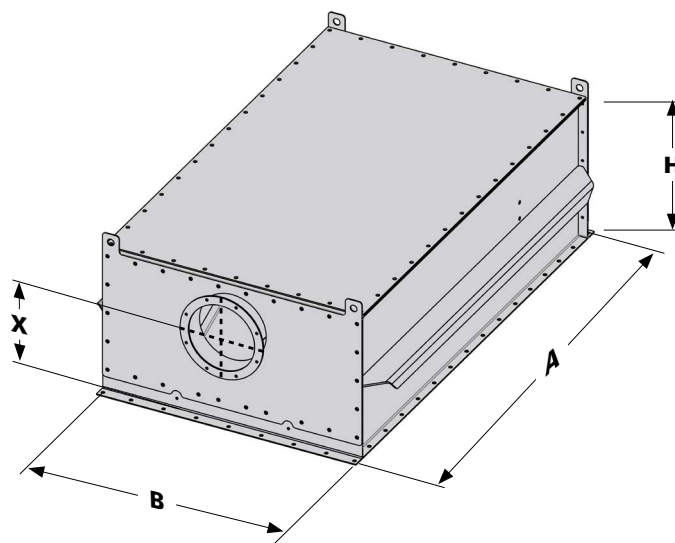
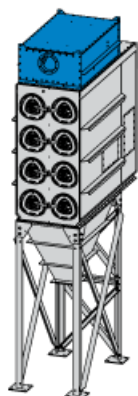
An inlet extension spool is required for top vented units with air inlet in front.



Flange	Configuration	Dimensions (mm)			
		A	B	X	H
NW160 *	2 wide	419	965	201.5	1258
	3 wide	419	1473	201.5	1258
NW200 *	2 wide	419	965	181.5	1258
	3 wide	419	1473	181.5	1258
NW250	2 wide	419	965	423	1525
	3 wide	419	1473	423	1525
NW280	2 wide	419	965	408	1525
	3 wide	419	1473	408	1525
NW315	2 wide	419	965	391	1525
	3 wide	419	1473	391	1525
NW355	2 wide	419	965	371	1525
	3 wide	419	1473	371	1525
NW400	2 wide	419	965	348	1525
	3 wide	419	1473	348	1525
NW450 **	2 wide	419	965	628	1830
	3 wide	419	1473	628	1830
NW500 **	2 wide	419	965	603	1830
	3 wide	419	1473	603	1830
NW560 **	2 wide	419	965	573	1830
	3 wide	419	1473	573	1830
NW630 **	2 wide	419	965	538	1830
	3 wide	419	1473	538	1830
NW710 **	2 wide	419	965	650	1982
	3 wide	419	1473	560	1982

* only for single deep units
 ** only on double deep units

DIRTY AIR PLENUM - HIFLO INLET



Configuration	Dimensions (mm)	
	A	B
2 wide - 1 deep	1052	965
2 wide - 2 deep	1697	965
3 wide - 2 deep	1697	1473

Hiflo inlet comes with 2 roof options:

- Normal
- Vented

Not standard available on multi-modules

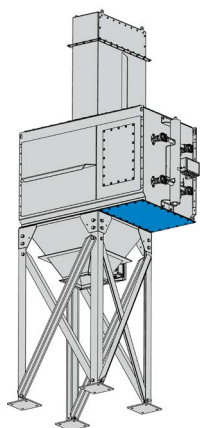
Flange	Dimensions (mm)	
	H	X
NW160 *	393.7	260.5
NW200 *	393.7	240
NW250	563.8	381
NW315	563.8	340
NW355	563.8	330
NW450 **	767	450
NW560 **	767	407
NW630 **	767	407
NW710 **	970.2	530
NW800 **	970.2	503
NW900 ***	1224.2	719.4
NW1000 ***	1224.2	656

* only on single deep units

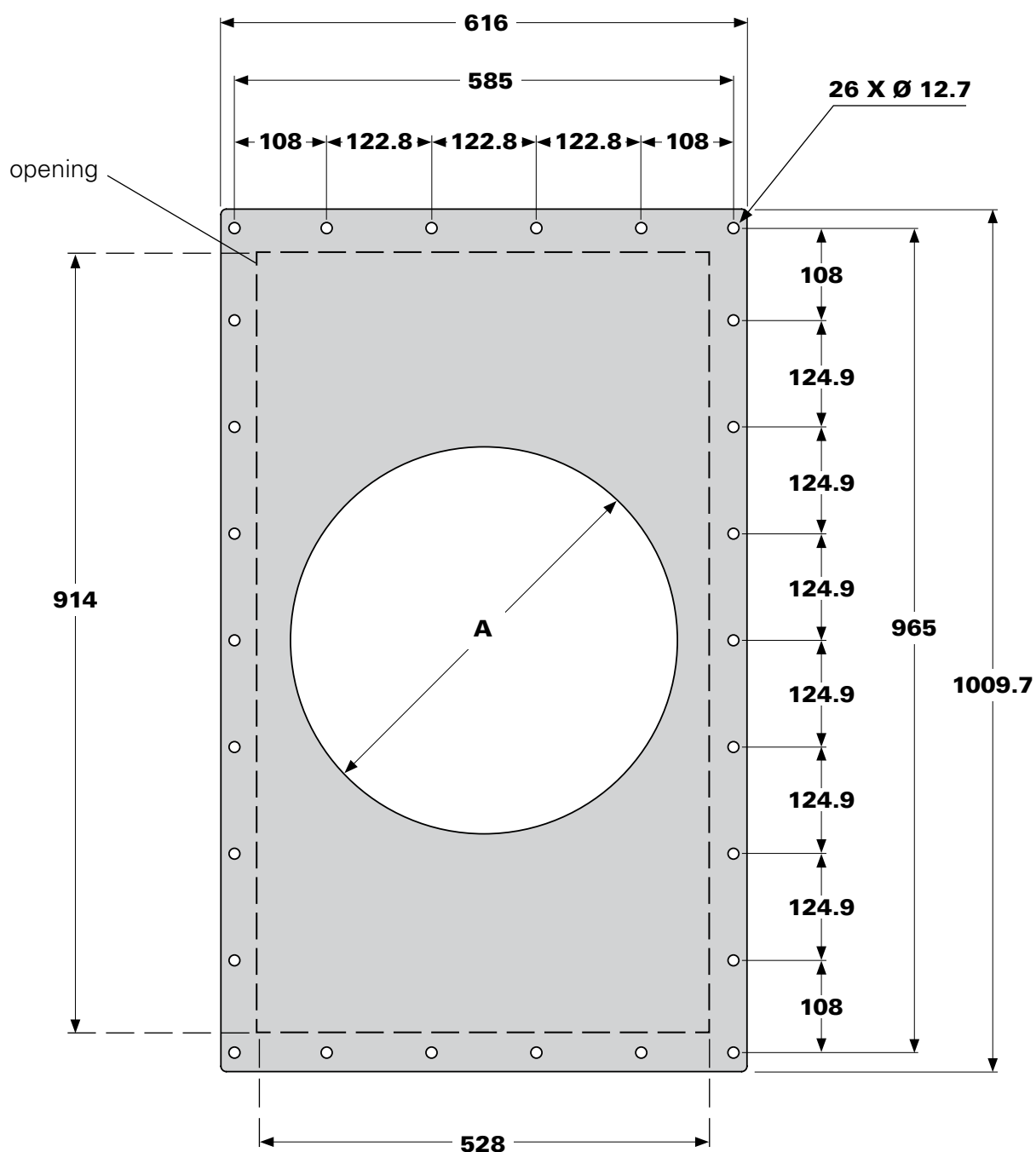
** only on double deep units

*** only on 3 wide units

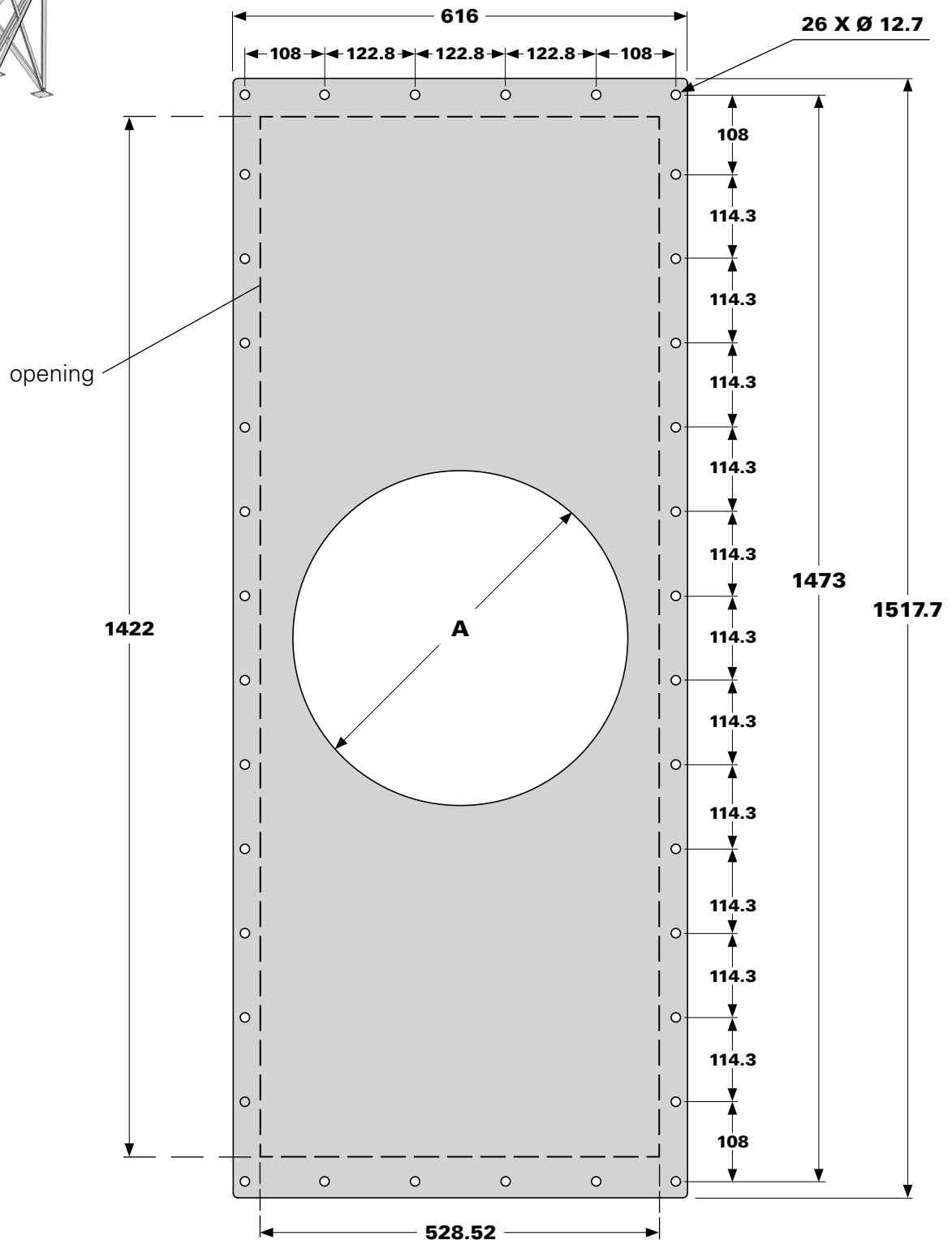
CLEAN AIR PLENUM - OUTLET - 2 WIDE



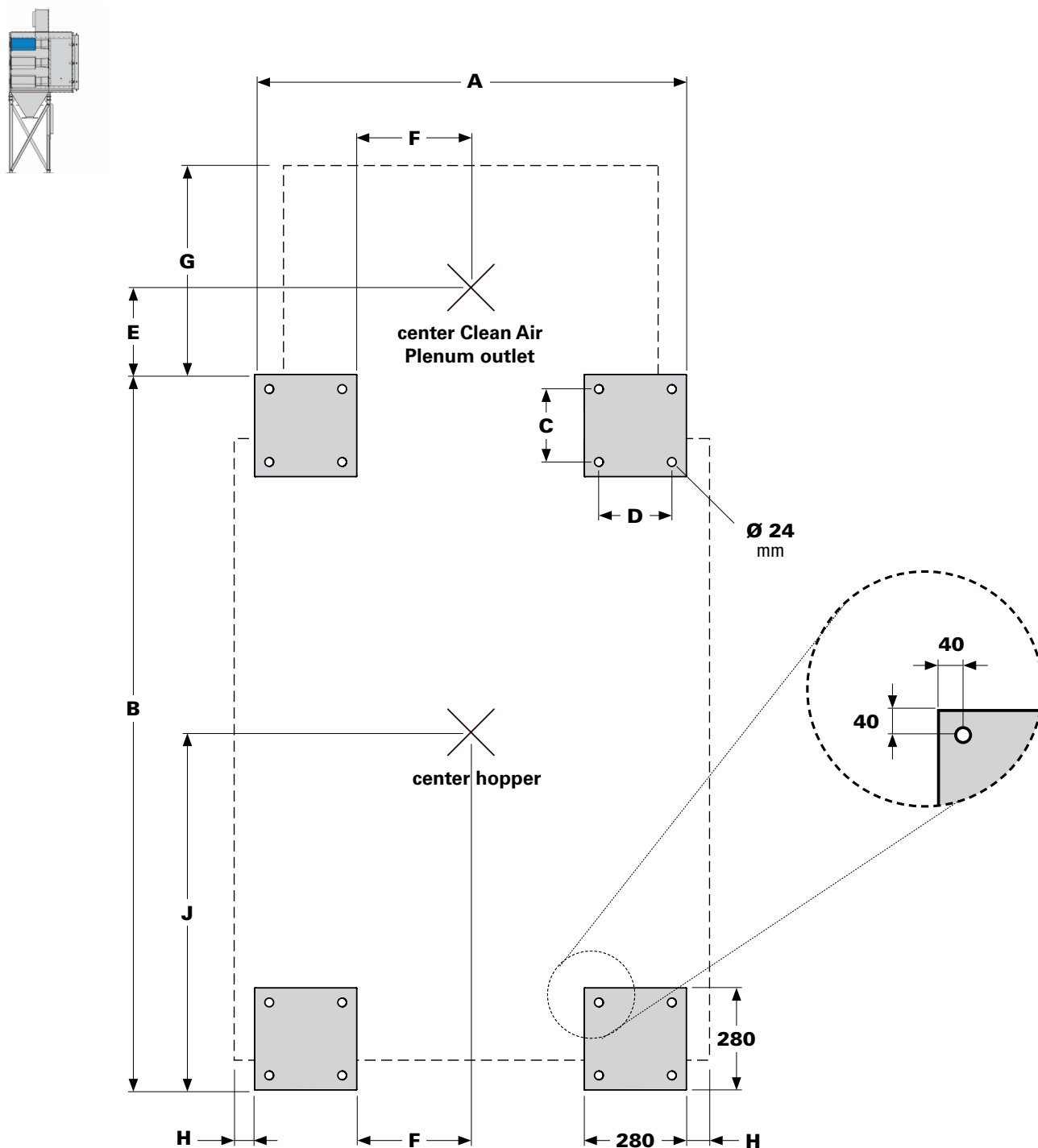
Optional outlet flanges	Dimensions (mm)
	A
NW355	358
NW400	404
NW450	454



Optional outlet flanges	Dimensions (mm)
	A
NW355	358
NW400	404
NW450	454

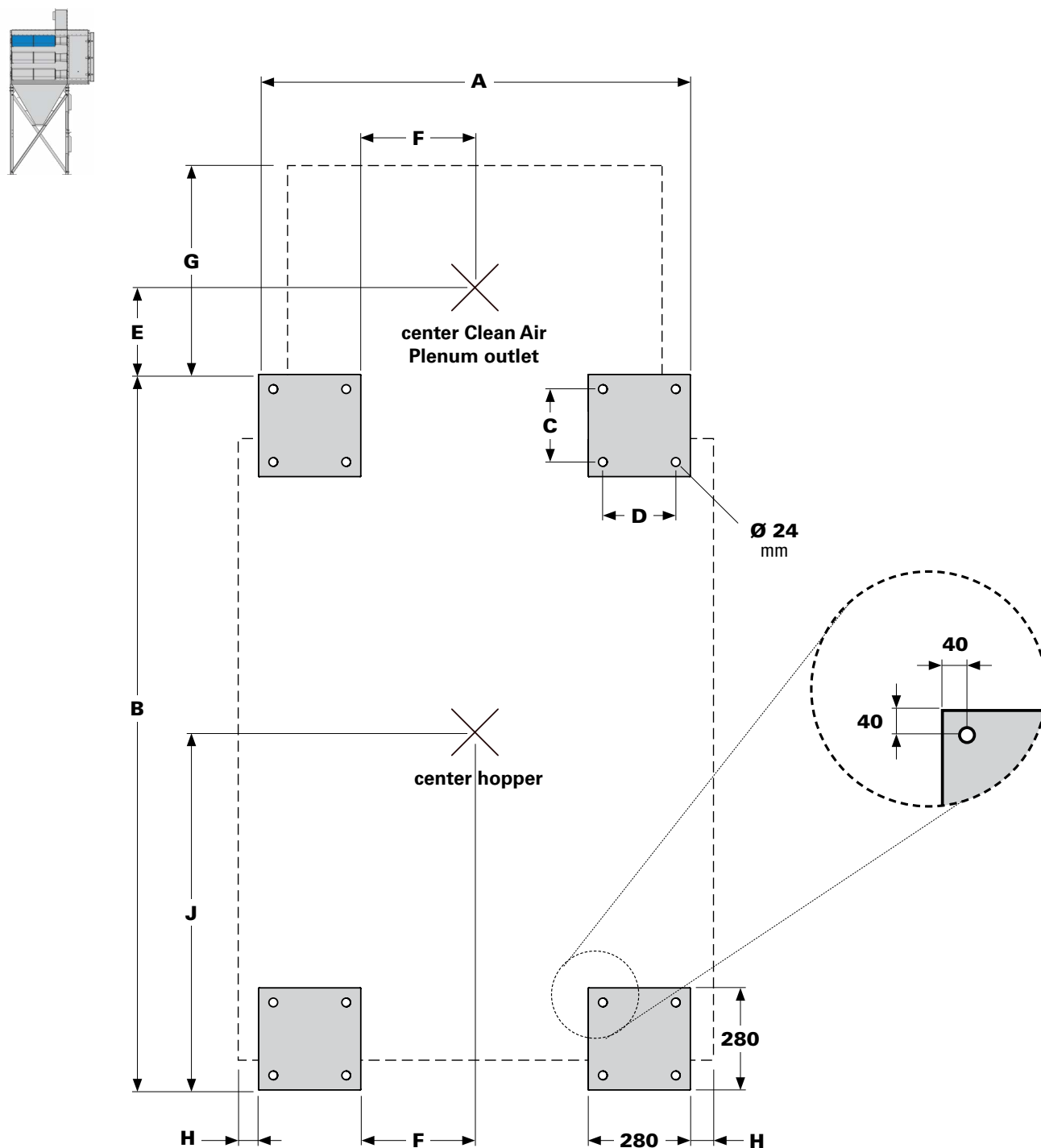


FOUNDATION DETAILS FOR STANDARD MODELS - SINGLE DEEP



Configuration	Single deep dimensions (in mm)								
	A	B	C	D	E	F	G	H	J
2 wide	1184	1295	200	200	234	319	542	15	652

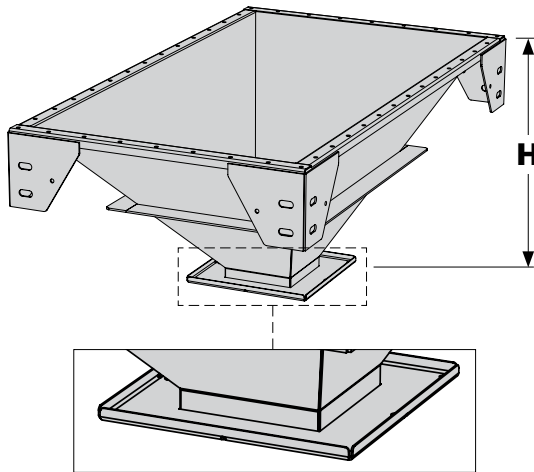
FOUNDATION DETAILS FOR STANDARD MODELS - DOUBLE DEEP



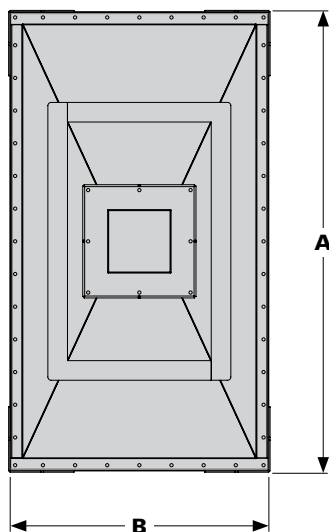
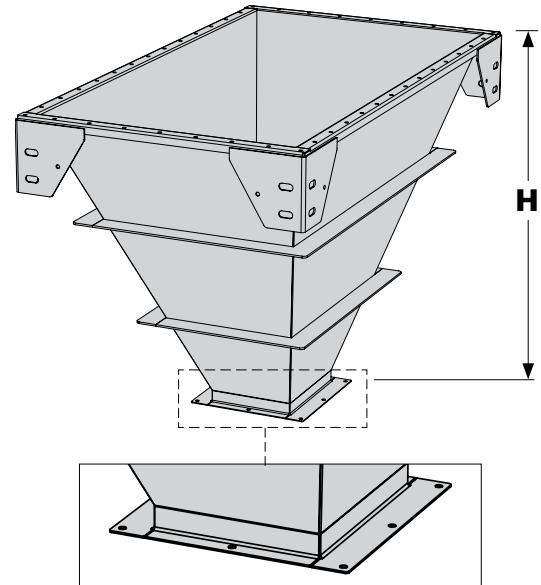
Configuration	Double deep dimensions (in mm)								
	A	B	C	D	E	F	G	H	J
2 wide	1184	1962	200	200	237	312	545	15	981
3 wide	1691	1962	200	200	237	566	545	21	981

HOPPER

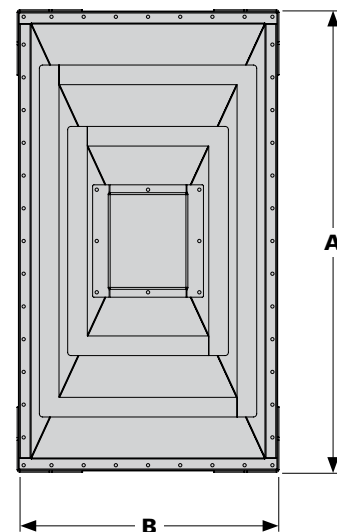
Shallow hopper =
minimum 40 degrees slope



Steep hopper =
minimum 60 degrees slope



**BOTTOM VIEW
SHALLOW HOPPER**

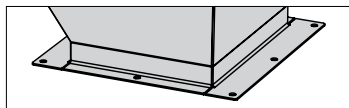


**BOTTOM VIEW
STEEP HOPPER**

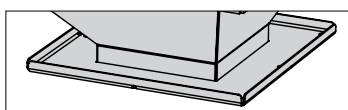
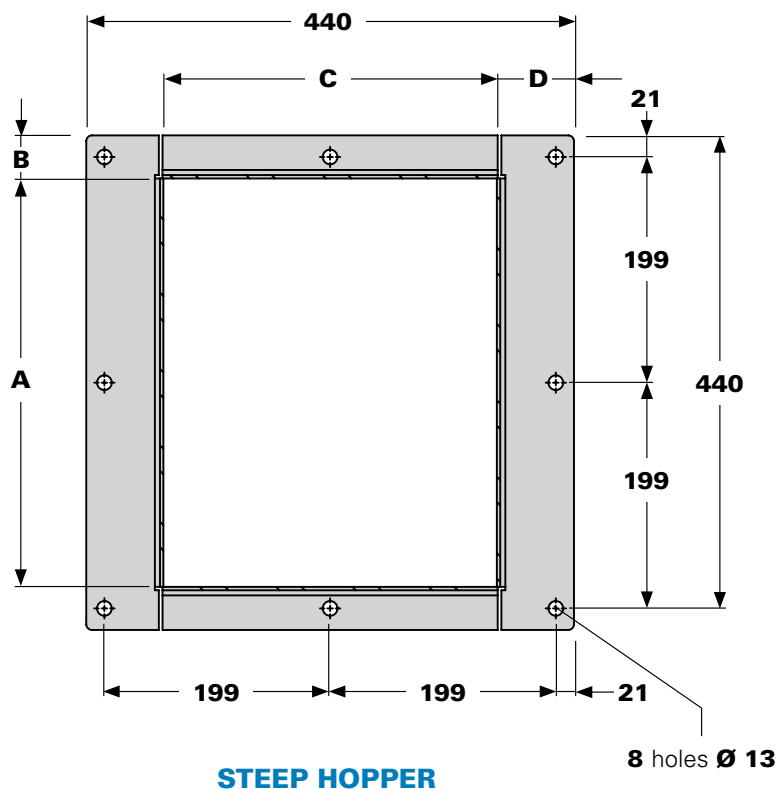
Single deep dimensions (mm)				
Configuration	A	B	H steep	H shallow
2 wide	1073	965	622	431

Double deep dimensions (mm)				
Configuration	A	B	H steep	H shallow
2 wide	1739	965	1173	685
3 wide	1739	1473	1173	685

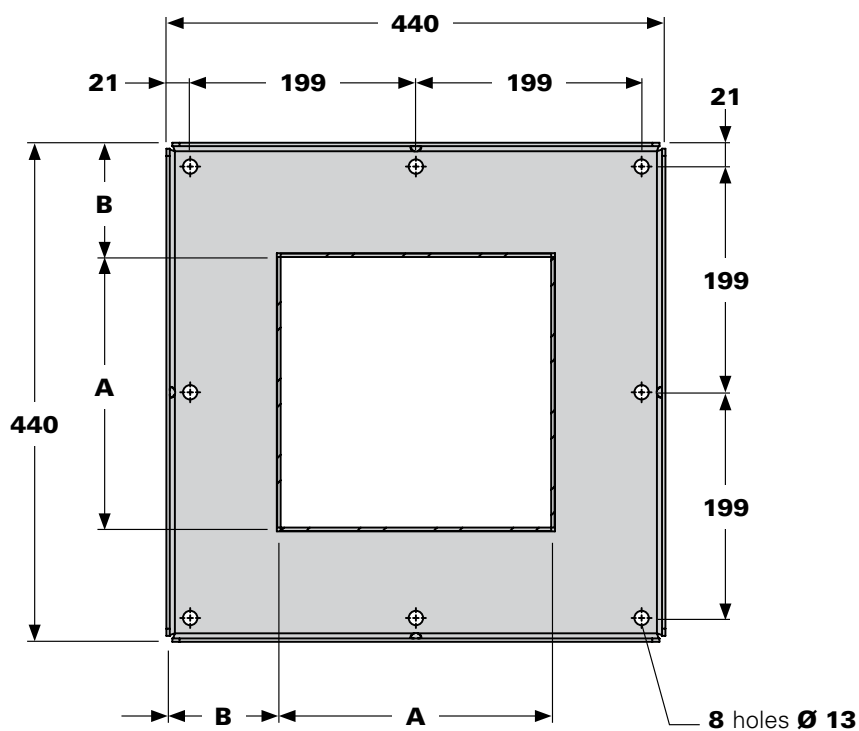
HOPPER FLANGE



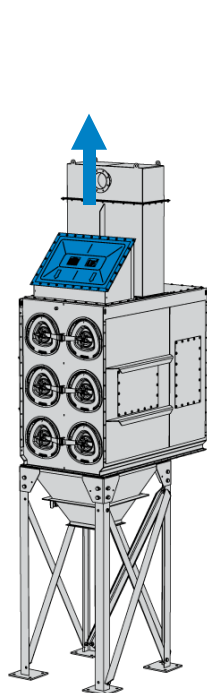
(mm)	2 wide single deep	2 wide double deep	3 wide double deep
A	360	360	360
B	40	40	40
C	360	296	360
D	40	72	40



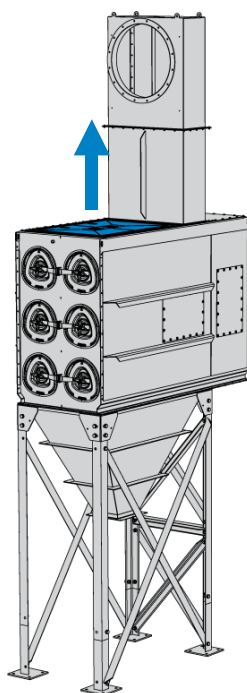
(mm)	2 wide single deep	2 and 3 wide double deep
A	210	246
B	115	97



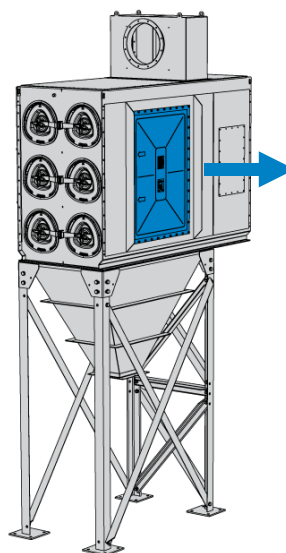
DFE VENTED



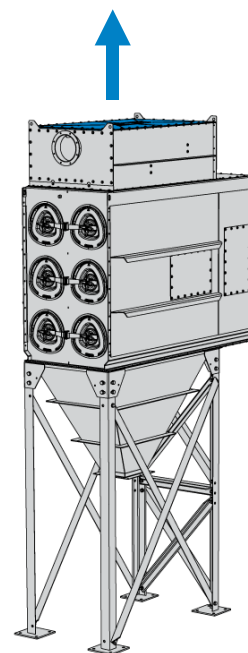
top vent
single deep



top vent
extension spool



side vent
extension spool



top vent
HIFLO

Configuration	Vent panel	
	small	large
	578 x 851 mm area 0.495 m ²	851 x 1162 mm area 0.985 m ²
DFE 2-4	top / side	-
DFE 2-8	side	top
DFE 2-12	side	top
DFE 3-6	top / side	-
DFE 3-12	-	top / side
DFE 3-18	-	top / side
DFE 4-16	-	top / side
DFE 4-24	-	top / side
DFE 5-20	-	top / side
DFE 5-30	-	top / side

max Kst Pmax=10 - steep hopper - Pred=0,4* 1 vent opening		
Configuration	STD inlet	HIFLO inlet
DFE 2-4	500	320
DFE 2-8 top	500	338
DFE 2-8 side	390	170
DFE 2-12 top	500	250
DFE 2-12 side	304	125
DFE 3-6	370	241
DFE 3-12	500	272
DFE 3-18	452	203
DFE 4-16	376	227
DFE 4-24	325	171
DFE 5-20	297	195
DFE 5-30	252	147

ELECTRICAL REQUIREMENTS

Fully automatic cleaning mechanism: C-Controller
Pulse interval time: 12 s
Control box protection class: IP65
Input voltage: 230 / 115 VAC - 24 VD
Fan: 400 V Δ 50 Hz

PULSE NOISE LEVEL

LpAeq,s: <75 dB(A) (with soundproofing pack)
 (A-weighted equivalent continuous sound pressure)

Measurement according 2006/42/EC at 1 metre distance and 1.6 metres above base level, with 6 bar compressed air pressure and 12 second pulse interval, in semi-free field conditions.

MANIFOLD DESIGN DETAILS

MANIFOLD DESIGN DETAILS

Pressure Strength: 7 bar
Pressure Test: 10,5 bar
Temperature: -20 to 200 °C

Rating of pressure relief device: 25 dm³/s at 7,1 bar (factory set at 7,1 bar)
 (not supplied as standard)

Product of pressure PS and Volumetric capacity V:	2-high	57,70 bar. l
	3-high	88,18 bar. l
	4-high	118,68 bar. l
	5-high	149,18 bar. l

Material used for manifold construction: According to EN13445 with extra Charpy when required

COMPRESSED AIR REQUIREMENTS

Clean air (max. particle size 50 µm)
Free of condensate at working temperature

Max. oil concentration: ISO8573-1 class 3 =< 1 mg/m³

Approximate compressed air usage*: ±45 Nlitres per pulse
 (± 16.2 Nm³/h for 10 s pulse interval at 7 bar)

Approximate compressed air usage: see table below

* The indicated value is the consumption per valve



Install safety valve directly in contact with the manifold.



Make sure to use at least 1 inch supply line to avoid large pressure drops in the cleaning system.

STANDARD FEATURES & AVAILABLE OPTIONS

Unit options	Optional
Execution for outside installation	•
Variable hopper clearance	•
Full range of dust disposal systems	•
Earthing	•
Vibrator	•
Sprinkler	•
Oil/water separator	•
Bag in / Bag out	•
Full range of fan sets and ducting	•
Insulation	•

Cartridge options	Standard	Optional
Filter assembly DFE 660mm Ultra-Web®	•	
Filter assembly DFE 660mm Ultra-Web® Anti-Static		•
Filter assembly DFE 660mm Ultra-Web® Earthed		•
Filter assembly DFE 660mm Ultra-Web® Flame Retardant		•
Filter assembly DFE 660mm Ultra-Web® Flame Retardant Earthed		•
Filter assembly DFE 660mm Ultra-Web® on SpunBond		•
Filter assembly DFE 660mm Ultra-Web® on SpunBond Anti-Static		•
Filter assembly DFE 660mm Ultra-Web® on SpunBond Earthed		•
Filter assembly DFE 660mm Ultra-Web® No Liner		•
Filter assembly DFE 660mm Ultra-Web® Flame Retardant No Liner		•
Filter assembly DFE 660mm Ultra-Web® Stainless Steel		•
Filter assembly DFE 660mm Fibra-Web®		•
Filter assembly DFE 660mm Fibra-Web® Earthed		•
Filter assembly DFE 660mm Fibra-Web® Flame Retardant		•
Filter assembly DFE 660mm Thermo-Web®		•
Filter assembly DFE 660mm Thermo-Web® Earthed		•
Filter assembly DFE 660mm Torit-Tex®		•
Filter assembly DFE 660mm Kevlar Nomex (high temp)		•

NOTES

[illegible]

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