

DUST COLLECTOR BROCHURE



High quality, Well-deserved reputation, First-class service



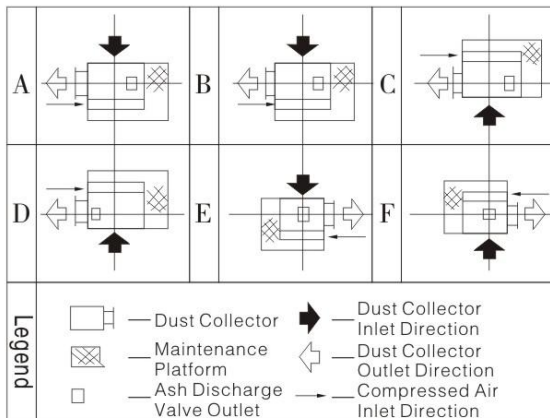
BoTou Ever Lucky Environmental Protection Machinery Co.,Ltd



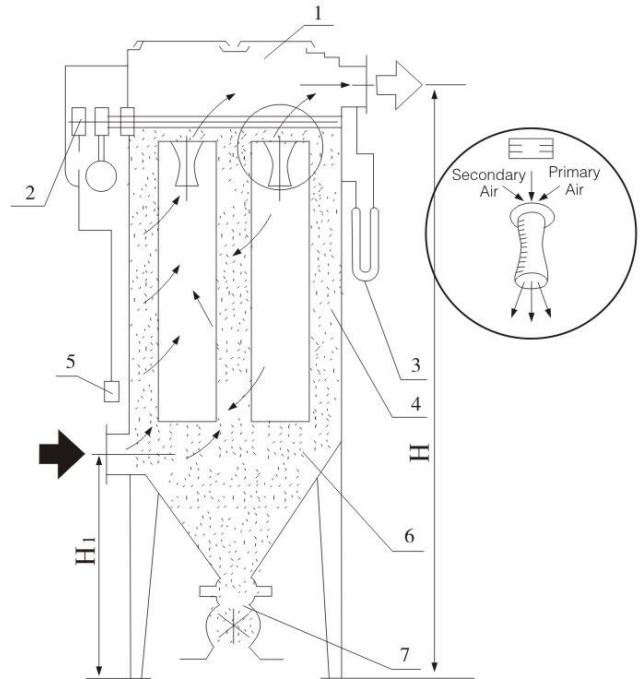
MC- II PULSE BAG FILTER

Description

MC - II pulse bag filter is based on MC - I , improvement of new efficient pulse bag filter. In order to further improve the MC - I pulse bag filter, the graph will be modified, changed after MC - II pulse bag filter preserves the MC - I purification efficiency is high, the ability to deal with gas is large, stable performance, convenient operation, long service life of filter pocket, the advantages of small maintenance workload. And the reform on the structure and pulse valve solved the problem of low pressure of open air and compressed air. Applicable to machinery, metallurgy, rubber, flour, chemical, pharmaceutical, carbon, building materials, mining and other units.



Inlet And Outlet Assembly Form



- 1、Upper Box 2、Blowing Dedusting System
3、V-type Pressure Gauge 4、Middle Box
5、Controller 6、Low-case 7、Dust Removing System

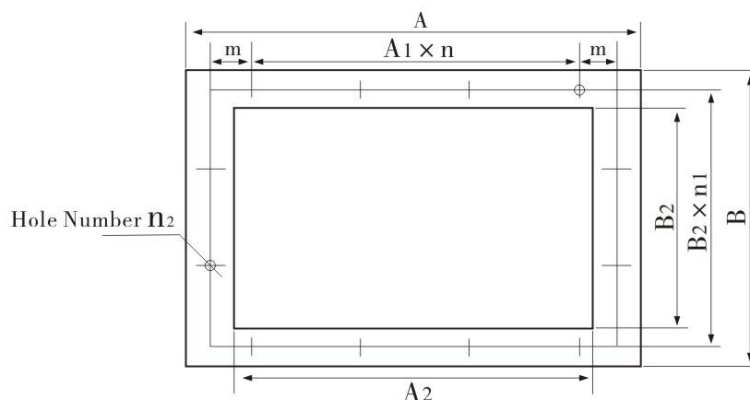
Schematic Diagram Of Mc-ii
Pulse Bag Filter Structure

Inlet And Outlet Distance From The Ground

Model Item	MC-24	MC-36	MC-48	MC-60	MC-72	MC-84	MC-96	MC-120
H	3420	3420	3400	3400	3400	3400	3400	3400
H _i	1000	1000	1000	1000	1000	1000	1000	1000

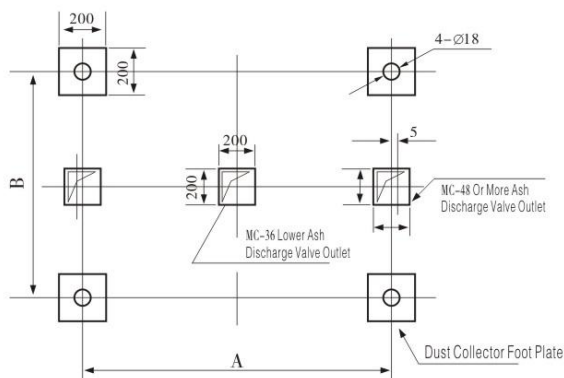
Technical Performance

Model Specification	Filtration Area m ²	Dust Concentration g/m ³	Filtering Wind Speed m ³ /min	Filtration Air Volume m ³ /h	Resistance H ₂ o mm	Efficiency %	Dimension : Length × Width × Height mm	Weight kg
MC24- II	18	<15	2-4	2160-4320	120-150	99.5	1090×1678×3667	1133
MC36- II	27	<15	2-4	3240-6480	120-150	99.5	1490×1678×3667	1485
MC48- II	36	<15	2-4	4320-8640	120-150	99.5	1890×1678×3667	1495
MC60- II	45	<15	2-4	5400-10800	120-150	99.5	2290×1678×3667	1730
MC72- II	54	<15	2-4	6480-12960	120-150	99.5	2690×1678×3667	1950
MC84- II	63	<15	2-4	7560-15120	120-150	99.5	3090×1678×3667	2230
MC96- II	72	<15	2-4	8640-17280	120-150	99.5	3650×1678×3667	2400
MC120- II	99	<15	2-4	10800-21600	120-150	99.5	4450×1678×3667	2870

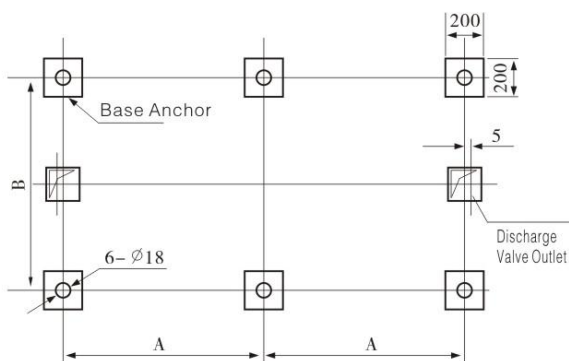


Flange Size

Model	H	H ₁	Inlet And Outlet		Ash Discharge		Inlet And Outlet Flange Screw Hole				Drainage Port Flange Screw Hole			
			A × B	A ₂ × B ₂	A × B	A ₂ × B ₂	A ₁ × n	m	B ₁ × n ₁	n ₂	A ₁ × n	m	B ₁ × n ₁	n ₂
MC-24	3420	1000	486 × 386	480 × 308	280 × 280	208 × 208	100 × 3	74	116 × 3	16	125 × 2	-	125 × 2	8
MC-36	3420	1000	486 × 386	408 × 308	280 × 280	208 × 208	100 × 3	74	116 × 3	16	125 × 2	-	125 × 2	8
MC-48	3400	1000	886 × 386	408 × 308	220 × 220	200 × 200	100 × 7	74	116 × 3	24	95 × 2	-	95 × 2	8
MC-60	3400	1000	886 × 386	808 × 308	220 × 220	150 × 150	100 × 7	74	116 × 3	24	95 × 2	-	95 × 2	8
MC-72	3400	1000	1086 × 386	1008 × 308	220 × 220	150 × 150	100 × 9	74	116 × 3	28	95 × 2	-	95 × 2	8
MC-84	3400	1000	1286 × 386	1208 × 308	220 × 220	150 × 150	100 × 11	74	116 × 3	32	95 × 2	-	95 × 2	8
MC-96	3400	1000	1450 × 386	1370 × 308	220 × 220	150 × 150	100 × 12	74	116 × 3	34	95 × 2	-	95 × 2	8
MC-120	3400	1000	1450 × 386	1370 × 308	220 × 220	150 × 150	100 × 12	74	116 × 3	34	95 × 2	-	95 × 2	8



MC-24-84 Type



MC-96 120 Type

Base Anchor Size

Item \ Model	MC-24	MC-36	MC-48	MC-60	MC-72	MC-84	MC-96	MC-120
A	1240	1240	1570	1970	2370	2820	1665	2065
B	790	1190	1220	1220	1220	1220	1220	1220



PL TYPE SINGLE BAG DUST COLLECTOR EQUIPMENT

Description

PL series single dust collector is a novel product developed successfully according to the imported dedusting equipment. It is a small volume and high efficiency of dedusting on the spot.

The basic structure of the unit consists of three parts: fan, filter and dust collector. Each part is installed in a vertical frame, with steel plate and shell, beautiful appearance, scientific structure, reliable operation and convenient use.

Application

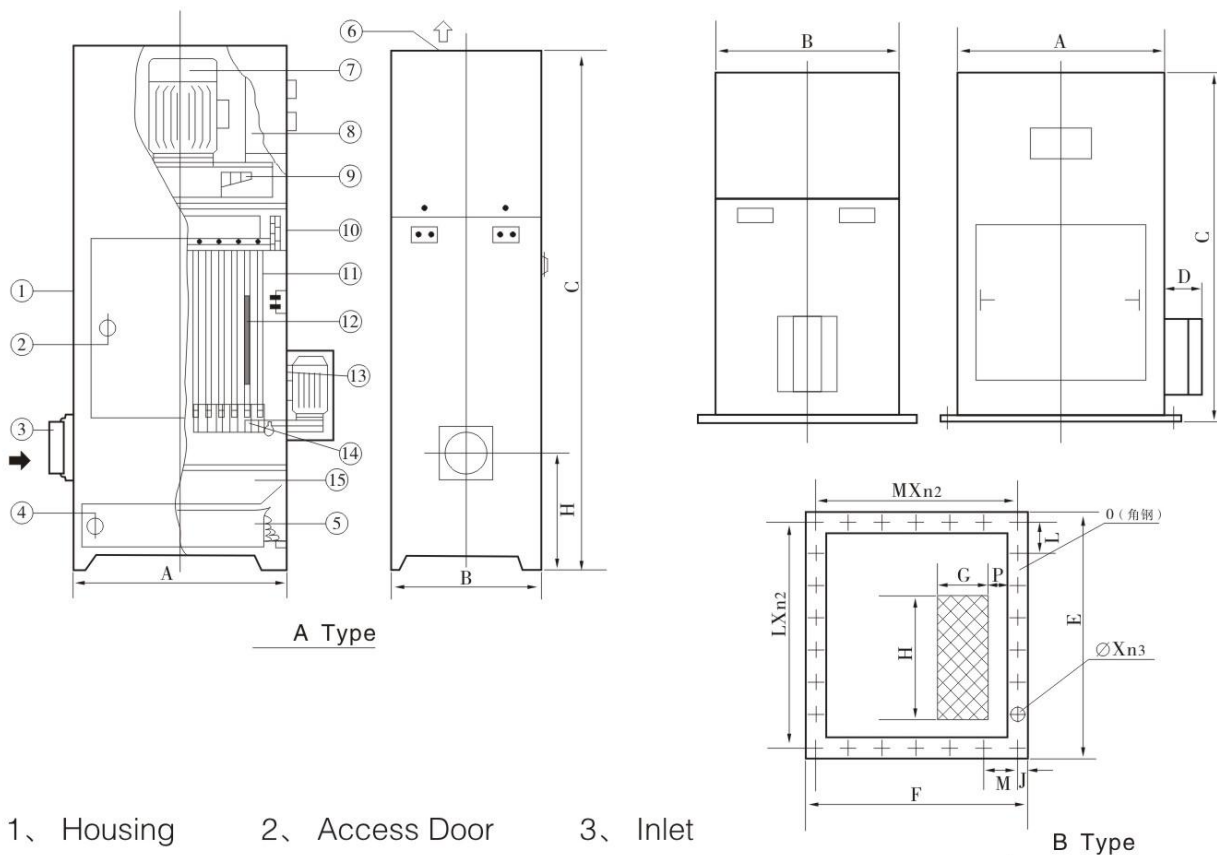
This series of products are widely used in the foundry industry, ceramic industry, glass industry and refractory materials, cement building materials, grinding wheel manufacturing, chemical products, machining and other industries to remove dust. This product is suitable for metal chips with large specific gravity, foundry sand, such as lathes, grinders, milling machines, grinders, polishing machines, etc., and medium-weight dust such as cement, ceramic powder, gypsum powder, carbon powder, pigment, bakelite powder, plastic powder, etc., as well as non-fibrous dust with a lighter weight have a good dust removal effect, the unit's dust removal efficiency is greater than 99.5 percent.

Type A Technical Performance

Model Specifications	PL-800/A	PL-1100/A	PL-1600/A	PL-2200/A	PL-2700/A	PL-3200/A	PL-4500/A	PL-6000/A
Item								
Air Volume m ³ /h	800	1100	1000	2200	2700	3200	4500	6000-8000
Available Pressure MMH ₂ O	80	85	85	100	120	100	100	150-120
Filtration Area m ²	4	7	10	12	13.6	15.3	21.5	30
Air Inlet Size MM	φ 120	φ 140	φ 150	φ 200	200x250	200x300	200x350	220x450
Air Intake Center From Bottom Distance H	318	345	418	433	458	478	478	1295
Fan Motor Power Kw	1.1	1.5	2.2	3	4	4	5.5	7.5
Cleaning Motor Power Kw	0.18	Same As Left	Same As Left	Same As Left	Same As Left	Same As Left	Same As Left	0.55
Filtration Wind Speed m/min	3.33	2.62	2.66	3.05	3.30	3.48	3.49	3.33x4.5
Purification Efficiency%	>99	Same As Left	Same As Left	Same As Left	Same As Left	Same As Left	Same As Left	99.5
Dust Collection Box Volume (l)	20	30	40	40	55	55	70	105
Noise dB(A)	<75	Same As Left	Same As Left	Same As Left	Same As Left	Same As Left	Same As Left	<8
Overall Dimensions AxBxC	530x520x1300	700x580x1400	740x580x1613	720x630x1699	760x680x1798	790x700x1888	900x800x2028	1200x900
Weight kg	483	578	662	767	893	1134	1302	1470

B Technical Performance

Model Specifications	PL-800/B	PL-1100/B	PL-1600/B	PL-2200/B	PL-2700/B	PL-3200/B	PL-4500/B	PL-6000/B
Item								
Air Volume m ³ /h	800	1100	1600	2200	2700	3200	4500	6000-8000
Available Pressure MMH ₂ O	>80	>85	>85	>100	>120	>100	>100	>150-120
Filtration Area m ²	4	7	10	12	13.6	15.3	21.5	25
Fan Motor Power Kw	1.1	1.5	2.2	3	4	4	5.5	7.5
Cleaning Motor Power Kw	0.18						0.37	3.33-4.5
Filtration Wind Speed m/min	8.33	2.62	2.66	3.05	3.36	3.48	3.40	99.5
Purification Efficiency %	>96.5							99.5
Noise dB(A)	>75				>75			<80
Overall Dimensions AxBxC	530x520x1040	700x580x1100	740x580x1240	720x660x1330	760x680x1380	790x700x1420	900x800x1550	1200x900x1720
Base Flange Size ExF	598x588	768x648	826x666	806x746	864x784	894x804	1004x905	1102x1002
Weight kg	504	556	703	735	650	750	960	1460



- | | | |
|---------------------|---------------------|--------------------|
| 1、Housing | 2、Access Door | 3、Inlet |
| 4、Soot Door | 5、Sliding Drawer | 6、Clean Air Outlet |
| 7、Motor | 8、Electrical Device | 9、Blower Fan |
| 10、Filter Set Screw | 11、Flat Filter Bag | |
| 12、Steel Wire Gauze | 13、Vibrating Motor | |
| 14、Isolation Bag | 15、Dust Hopper | |

Dimension

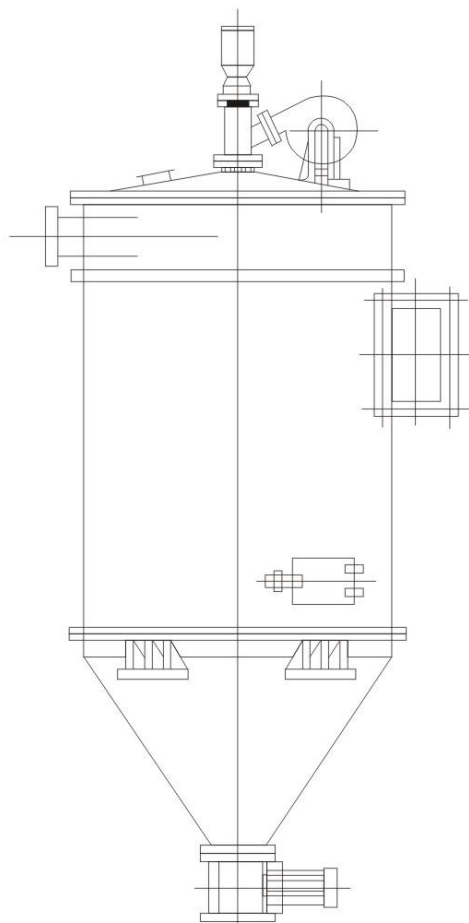
Code	A	B	C	D	E	F	G	H	I	L × n ₁	M × n ₂	Φ × n ₃	O	P
Model														
PL-800	530	520	1030	135	598	588	130	260	220	112x5	110x5	Φ9x20	∠40x4	50
PL-1100	700	580	1100	135	768	648	140	290	360	146x5	122x5	Φ9x20	∠40x4	50
PL-1600	740	580	1240	135	826	666	150	450	240	129x6	123x5	Φ9x22	∠50x5	50
PL-2200	720	660	1330	135	806	746	170	430	240	126x6	116x6	Φ9x24	∠50x5	50
PL-2700	760	680	1380	135	864	784	180	490	250	135x6	122x6	Φ11x24	∠60x6	60
PL-3200	790	700	1420	135	894	804	190	480	250	140x6	125x6	Φ11x24	∠60x6	60
PL-4500	900	800	1560	160	1004	904	230	580	250	118x8	106x8	Φ11x32	∠60x6	60
PL-6000	1200	900	1740	160	1302	1002	315	360	737	124x10	118x8	Φ11x36	∠60x6	130

ZC- II TYPE MECHANICAL ROTARY BLOWBACK FLAT BAG DUST COLLECTOR

Description

The dust collector adopts a circular body structure with uniform force, good anti-explosion performance and compact structure. The high-pressure fan is used for back-blowing and cleaning, and is not restricted by the gas source conditions. The resistance is automatically controlled to rotary reverse blow and clean the energy to prolong the use of the bag, and the cold region Other areas of indoor installation can be installed outdoors, and can be widely used in many departments such as machinery, casting, mining, smelting, building materials, food and chemical industry.

Users should pay attention to the high temperature, high concentration, fine particles of dust should choose type A, and vice versa, type B should be added. If the concentration is greater than 15 grams / cubic meter, a cyclone should be added.



ZC-III Model

Model Indication Method

144ZC-II-500-ANP570 rotary blow back flat bag dust collector
Item 1: 144ZC-II-500-ANP570 rotary blowback flat bag dust collector

Item 2: ZC refers to the pinyin prefix of the rotary reverse blow, where "Z" refers to the Chinese pinyin prefix of "turn" and "C" refers to the Chinese pinyin prefix of "blow".

Item 3: II- refers to the design serial number.

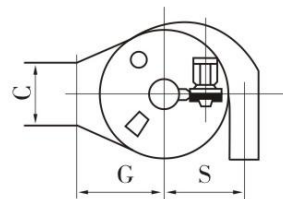
Item 4: 500 means the length of the bag (m)

Item 5: According to the different filtering wind speed V , the dust collector is divided into A type and B type size. Type A size is used for air volume of $V = 1.0$ to 1.5 m / min. Type B size is used for air volume of $V = 2.0$ to 2.5 m / min.

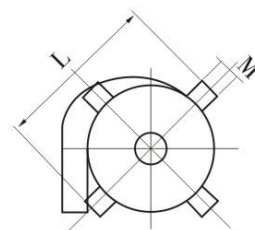
Item 6: according to the rotation direction of the inlet, it is divided into N rotation and S rotation. N indicates that the inlet rotates counterclockwise, S indicates that the inlet rotates clockwise, and the serialized drawing is drawn counterclockwise (ie, N rotation).

Item 7: According to the form of export ducts, it is divided into two types: flat exit and lower exit. P denotes a flat exit, X denotes a lower exit, and serialized drawings are drawn as a flat exit (ie P-type).

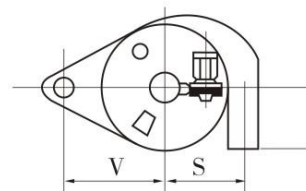
Item 8: 570 is the nominal filtration area (m²).



P Type N Rotation



S Rotation



X Type N Rotation



Technical Performance And Size

Model Specification		Filtration Area m ²	Airflow		Bag Length m	Number Of Turns	Bag Number (pieces)	Efficiency %	Resistance (mmH ₂ O)	Dimension Diameter × Height mm	Weight (Kg)
			V m/min	M/min							
ZC-24/2	A	38	1.0-1.5	2400-4600	2.0	1	24	>99	<120	Φ 1690x4370	1916
	B	38	2.0-2.5	4800-6000	2.0	1	24			Φ 1690x4370	1916
ZC-24/3	A	57	1.0-1.5	3600-5400	3.0	1	24			Φ 1690x4570	2086
	B	57	2.0-2.5	7200-9000	3.0	1	24			Φ 1690x4570	2086
ZC-24/4	A	79	1.0-1.5	4800-7200	4.0	1	24			Φ 1690x4570	2263
	B	79	2.0-2.5	9600-12000	4.0	1	24			Φ 1690x4570	2263
ZC-72/2	A	114	1.0-1.5	6600-12000	2.0	2	72			Φ 2530x5030	4150
	B	114	2.0-2.5	10200-16500	2.0	2	72			Φ 2530x5030	4150
ZC-72/3	A	170	1.0-1.5	10400-15300	3.0	2	72			Φ 2530x6030	4868
	B	170	2.0-2.5	20400-25500	3.0	2	72			Φ 2530x6030	4868
ZC-72/4	A	228	1.0-1.5	18800-20700	4.0	2	72			Φ 2530x7030	5587
	B	228	2.0-2.5	27800-34500	4.0	2	72			Φ 2530x7030	5587

Model Specification		Filtration Area m ²	Airflow		Bag Length m	Number Of Turns	Bag Number (pieces)	Efficiency %	Resistance (mmH ₂ O)	Dimension Diameter × Height mm	Weight (Kg)
			V m/min	M/min							
ZC-144/3	A	340	1.0-1.5	20400-40600	3.0	3	144	>99	<120	Φ 3530x7145	8900
	B	340	2.0-2.5	10800-51000	3.0	3	144			Φ 3530x7145	8900
ZC-144/4	A	450	1.0-1.5	27000-54500	4.0	3	144			Φ 3530x8145	11760
	B	450	2.0-2.5	54000-67500	4.0	3	144			Φ 3530x8145	11760
ZC-144/5	A	569	1.0-1.5	34200-68300	5.0	3	144			Φ 3530x9145	14280
	B	569	2.0-2.5	68490-85500	5.0	3	144			Φ 3530x9145	14280
ZC-240/4	A	760	1.0-1.5	68280-45400	4.0	4	240			Φ 4380x9060	16100
	B	760	2.0-2.5	90960-113700	4.0	4	240			Φ 4380x9060	16100
ZC-240/5	A	950	1.0-1.5	57000-85500	5.0	4	240			Φ 4380x10370	18270
	B	950	2.0-2.5	114000-145000	5.0	4	240			Φ 4380x10370	18270
ZC-240/6	A	1140	1.0-1.5	68280-124200	6.0	4	240			Φ 4380x11870	20039
	B	1140	2.0-2.5	136560-170700	6.0	4	240			Φ 4380x11870	20039

Other Specifications Are Detailed In The Instructions.

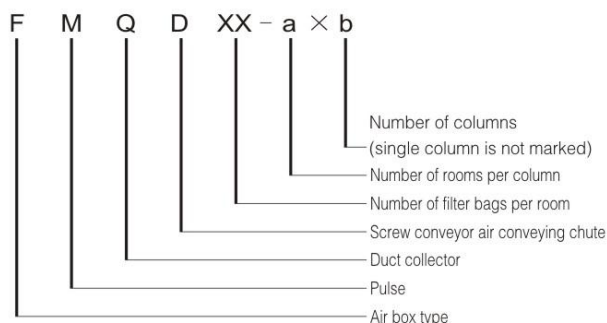
FMQD-III TYPE AIR BOX TYPE PULSE BAG TYPE DUST COLLECTOR (PPC、PPW)

Description

The dust collector is a new product introduced from American Fuller Company. This series of products can be widely used in cement plants such as crushing installation, storage top, cooked cooling machine and grinding machine.

There are 33 kinds of specifications in this series. There are four kinds of bags in each room: 32, 64, 96, 128 bags. The length of the filter bag is 2450mm and 3060mm. The dust collection efficiency can reach more than 99.9%. The dust concentration of the purified gas is Less than 100mg/m³ (standard) This series of dust collectors are used in cold areas. When the outdoor heating calculation temperature is $\leq -25^{\circ}\text{C}$, a heat device is required.

Model Description



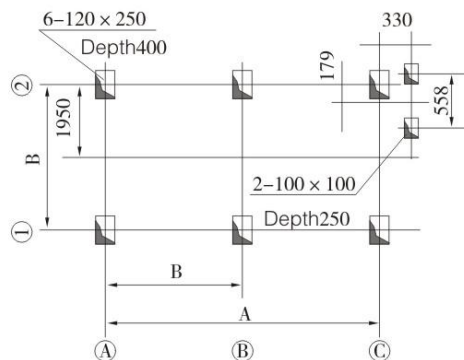
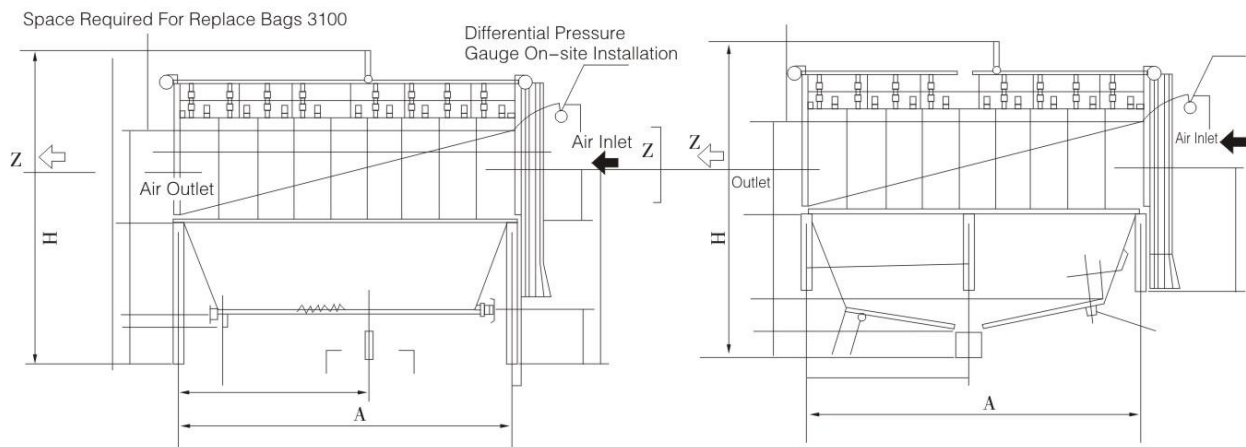
Technical Performance

Technical Parameters Model	Airflow (m ³ /h)	Filtration Air Volume (m/min)	Filtration Area (m ²)	Filter Bag (piece)	Resistance (Pa)	Dust Content (g/m ³)	Insulation Area (m ²)	Weight (kg)
32-3	6900	1.2-2.0	93	96	1470-1770	<1000	26.5	2880
32-4	8930		124	128			34	4080
32-5	11160		155	160			41	5280
32-6	13390		186	192			48.5	6480
64-4	17800		248	256			70	7280
64-5	22300		310	320			94	9960
64-6	26700		372	384			118	11640
64-7	31200		434	448			142	13320
64-8	35700		496	512			166	15000

Technical Parameters Model	Airflow (m ³ /h)	Filtration Air Volume (m/min)	Filtration Area (m ²)	Filter Bag (piece)	Resistance (Pa)	Dust Content (g/m ³)	Insulation Area (m ²)	Weight (kg)
96-4	26800	1.2-2.0	372	384	1470-1770	<1300	110	10452
96-5	33400		465	480			120	12120
96-6	40100		557	576			130	14880
96-7	46800		650	672			140	16920
96-8	53510		744	768			150	19810
96-9	60100		836	864			160	21240
96-2x5	66900		929	960			175	25200
96-2x6	80700		1121	1152			210	30240
96-2x7	94100		1308	1344			245	35280
96-2x8	107600		1494	1536			280	40320
96-2x9	121000		1681	1728			315	45360
96-2x10	134500		1868	1920			350	50400

Technical Parameters Model	Airflow (m ³ /h)	Filtration Air Volume (m/min)	Filtration Area (m ²)	Filter Bag (piece)	Resistance (Pa)	Dust Content (g/m ³)	Insulation Area (m ²)	Weight (kg)
128-6	67300	1.2-2.0	935	768	1470-1770	<1300	125	24120
128-9	100900		1402	1152			196	31680
128-10	112100		1558	1280			205	34680
128-2x6	34600		1869	1536			323	43920
128-2x7	15700		2181	1792			247	52680
128-2x8	179400		2492	2084			262	60000
128-2x9	201900		2804	2304			277	66480
128-2x10	224300		3115	2561			292	72000
128-2x11	247600		3427	2856			307	78480
128-2x12	269100		3728	3072			322	86400
128-2x13	291600		4050	3328			337	93600
128-2x14	314000		4361	3584			252	100800

Example Figure 128 Single Row Type



Dimensions

Item Model	A (Length)	B (Width)	H (Height)
32-3	1062	1630	6925
32-4	2622	1630	7672
32-5	3280	1630	8075
32-6	3944	1630	8650
64-4	4877	2388	7590
64-5	6096	2388	7590
64-6	7316	2388	7590
64-7	8534	2388	7590
64-8	9754	2388	7590
96-4	4876	3150	8413
96-5	6096	3150	8413
96-6	7316	3150	8413
96-7	8534	3150	8413
96-8	9754	3150	8413
96-9	10974	3150	8413
96-2x5	6096	7138Double Row	9307
96-2x6	7316	7138Double Row	9307
96-2x7	8534	7138Double Row	9307
96-2x8	9754	7138Double Row	9307
96-2x9	10974	7138Double Row	9307
96-2x10	12192	7138Double Row	9307

Item Model	A (Length)	B (Width)	H (Height)
128-6	7316	3810	10348 Screw
128-9	10973	3810	10348 Screw
128-10	12192	3810	10348 Screw
128-2x6	7316	960Double Row	10231
128-2x7	8534	960Double Row	10316
128-2x8	9754	960Double Row	10406
128-2x9	10972	960Double Row	10486
128-2x10	12192	960Double Row	10576
128-2x11	13412	960Double Row	10661
128-2x12	14630	960Double Row	10756
128-2x13	15850	960Double Row	10831
128-2x14	17068	960Double Row	10916

LCM-D/G SERIES LONG BAG OFFLINE PULSE DUST COLLECTOR

Description

LCM-D/G series long bag offline pulse dust collector is a collection of research and technical experience and achievements for more than ten years. It combines the best international long-bag offline pulse dust removal technology and has been introduced to users in the 1990s. The international level of long bag offline pulse dust collector technology products. It is a large-scale dust removal equipment that handles large air volume, good cleaning effect, high dust removal efficiency, reliable operation, convenient maintenance and small floor space. Widely used in the metallurgical industry steelmaking blast furnace, raw material injection coal preparation and other factories, building materials industry, power, chemical industry, carbon black, asphalt concrete mixing, boiler, flue gas dust removal and other industries of dust control and material recovery.

Sizing Specifications

Model Specification Mark Example Description
LCM-D/G-1100
L:Bag Filter Standard Name Letter
C:Long Bag
M:Pulse
D:Low Pressure Type
G:High Pressure Type
11000:Filtration Area11000m²

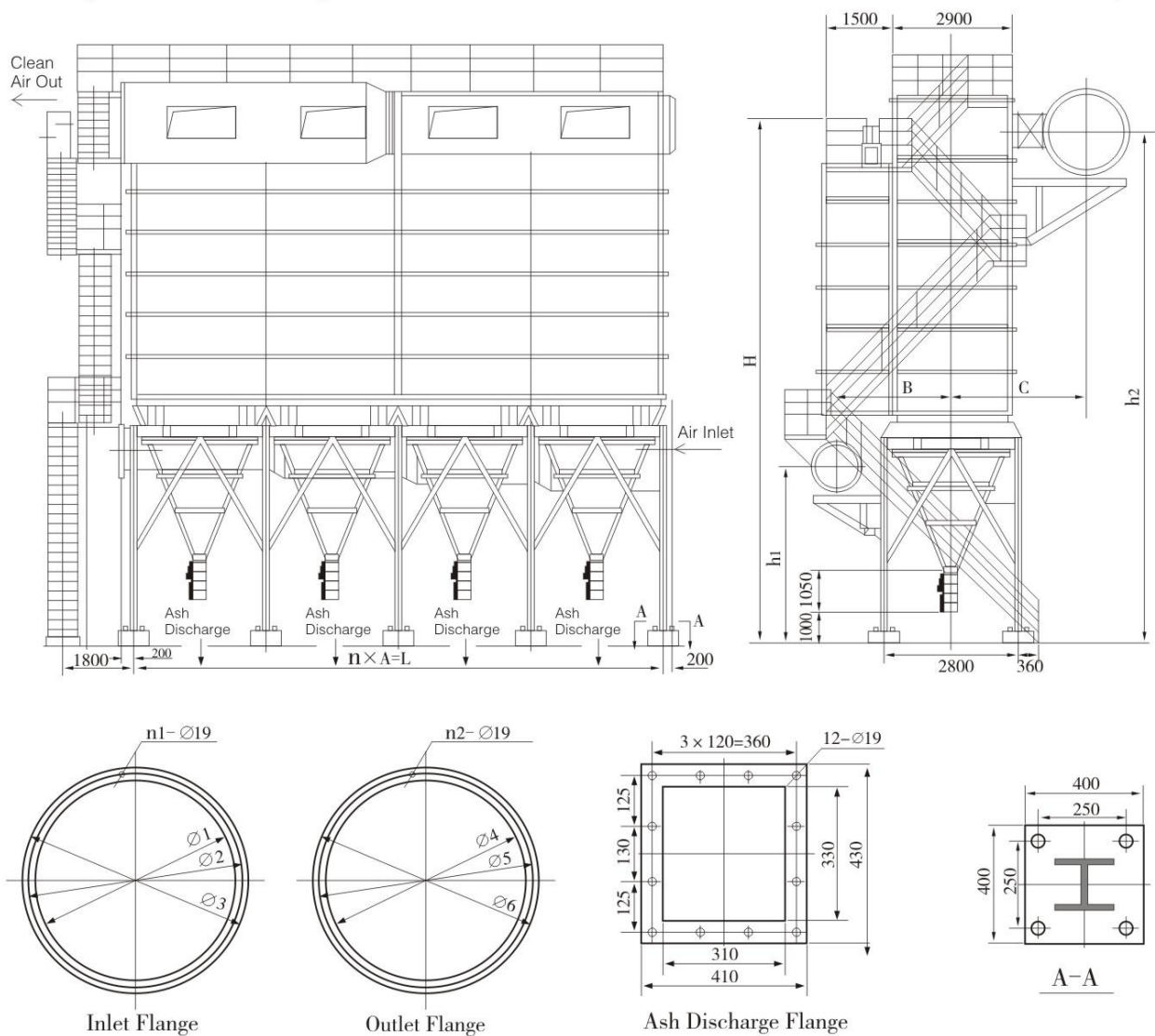
Technical Performance And Size

Models And Specifications Item	1850	2300	2800	3700	4600	5500	6500	1850x2	2300x2	2800x2	3700x2	4600x2
Filtration Area(m ²)	1850	2300	2800	3700	4600	5500	6500	3700	4600	5600	7400	9200
Airflow(1000m ³ /h)	16.2	20.7	25.2	33.3	41.4	49.5	58.5	33.3	41.4	50.4	66.6	82.8
Filter Bags(Pieces)	616	770	924	1232	1540	1848	2156	1232	1540	1848	2464	3080
Filter Bag Specification	Φ 160x6050											
Purge Mode	Off-line Ash-clearing											
Number Of Offline Rooms (pieces)	4	5	6	8	10	12	14	8	10	12	16	20
Dust Collector Air Leakage Rate (%)	≤2%											
Dust Collector Inlet Concentration(g/m ³)	≤20g/m ³											
Dust Collector Emission Concentration(mg/m ³)	50-100mg/m ³											
Number Of Pulse Valves (piece)	44	55	66	88	110	132	154	88	110	132	176	220
Weight (ton)	74	93	112	147	177	212	252	142	179	216	286	346
Dimensions(mm)	11500x5500x13800	13800x5500x13800	16560x5500x13800	22080x5500x13800	27600x5500x13800	33120x5500x13800	38640x5500x13800	11500x10300x13800	13800x10300x13800	16560x10300x13800	22080x10300x13800	27600x10300x13800

Models And Specifications Item	5500x2	6500x2	7400x2	410	460	600	680	820	925	1100	1200	1350
Filtration Area(m ²)	11000	13000	14800	410	460	600	680	820	925	1100	1200	1350
Airflow(1000m ³ /h)	99	117	133.2	3.69	4.14	5.4	6.12	7.38	8.64	9.9	10.8	12.6
Filter Bags(Pieces)	3696	4312	4928	252	280	378	280	336	378	462	504	560
Filter Bag Specification	Φ 160x6050			Φ 130x4050			Φ 130x6050					
Purge Mode	Off-line Ash-clearing			On-line Ash-clearing								
Number Of Offline Rooms (pieces)	24	28	32	≤2%————								
Dust Collector Air Leakage Rate (%)	≤20g/m ³											
Dust Collector Inlet Concentration(g/m ³)	50-100mg/m ³											
Dust Collector Emission Concentration(mg/m ³)												
Number Of Pulse Valves (piece)	264	308	352	18	20	27	20	24	27	33	36	40
Weight (ton)	415	494	552	22.5	25	32	36	41	45	50	53.6	60.8
Dimensions(mm)	33120x10900x13800	38640x10900x13800	41400x10900x13800	4600x6400x9750	5000x6400x9750	6700x6600x9750	5020x6600x11750	6070x6850x11750	6700x6850x11750	7960x7125x11750	8800x7250x11750	9640x7400x11750



LDM-D410-1350 TYPE (OTHER MODEL REFER TO THE SPECIFICATIONS SHEET)



Dimension

Code Specification	L	n	A	h ₁	h ₂	H	B	C	Φ ₁	Φ ₂	Φ ₃	n ₁	Φ ₄	Φ ₅	Φ ₆	N ₂
LCM-410	4200	2	2100	3750	9300	9750	2700	2650	Φ850	Φ920	Φ980	24	Φ950	Φ1020	Φ1080	28
LCM-460	4620	2	2310	3750	9300	9750	2700	2650	Φ900	Φ970	Φ1030	24	Φ1000	Φ1070	Φ1130	28
LCM-600	6300	3	2100	3380	9300	9750	2700	2700	Φ1000	Φ1070	Φ1130	28	Φ1100	Φ1170	Φ1230	32
LCM-680	4620	2	2310	3650	11350	11750	2650	2750	Φ1100	Φ1170	Φ1230	32	Φ1200	Φ1270	Φ1330	32
LCM-820	5670	3	1890	3600	11350	11750	2650	2800	Φ1200	Φ1270	Φ1330	32	Φ1300	Φ1370	Φ1430	36
LCM-925	6300	3	2100	3600	11350	11750	2650	2850	Φ1200	Φ1270	Φ1330	32	Φ1400	Φ1470	Φ1530	40
LCM-1100	7560	3	2520	3500	11350	11750	2650	2900	Φ1350	Φ1420	Φ1480	36	Φ1500	Φ1570	Φ1630	40
LCM-1200	8400	4	2100	3500	11350	11750	2650	2950	Φ1400	Φ1470	Φ1530	40	Φ1600	Φ1670	Φ1730	44
LCM-1350	9240	4	2310	3450	11350	11750	2650	3000	Φ1500	Φ1570	Φ1630	40	Φ1700	Φ1770	Φ1830	48



LDM-^L_S SERIES OFFLINE (ONLINE) CLEANING PULSE BAG FILTER

Description

Off-line air-cleaning solves the problem of “dust reattachment and out of control” in the conventional pulse bag filter, which greatly improves the filter bag cleaning effect, thereby increasing the filtration speed, that is, saving the dust consumption and prolonging the life of the filter bag. A proprietary technology product with features.

The dust collector is especially suitable for air purification of light weight, fine grain and sticky dust. There are three series of large, medium and small.

Technical Performance

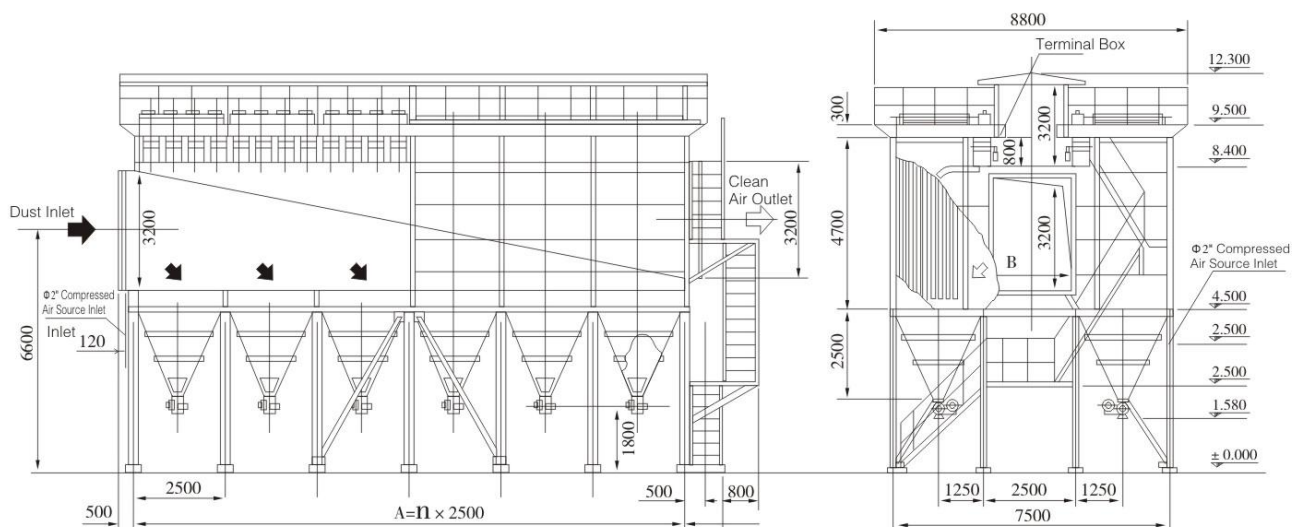
Model	Specification	Filtration Area m ²	Filter Bag Number	Number Of Groups	Airflow m ³ /h	Number Of Pulse Valves	Compressed Air Volume m ³ /min	Weight T
LDML-I 2160		2160	1440	48	259200	48	1.1	81
LDML-I 2520		2520	1680	56	302400	56	1.3	94
LDML-I 2880		2880	1920	64	345600	64	1.5	107
LDML-I 3240		3240	2160	72	388000	72	1.65	121
LDML-I 3600		3600	2400	80	432000	80	1.82	134
LDML-I 3960		3960	2640	88	475200	88	2.0	148
LDML-I 4350		4320	2880	96	518400	96	2.2	161
LDML-I 4680		4680	3120	104	561600	104	2.4	174
LDML-I 5060		5060	3360	112	604800	112	2.55	188
LDML-I 5400		5400	3600	120	648000	120	2.72	200
LDML-I 5760		5760	3840	128	691200	128	2.9	212

Model	Specification	Filtration Area m ²	Filter Bag Number	Number Of Groups	Airflow m ³ /h	Number Of Pulse Valves	Compressed Air Volume m ³ /min	Weight T
LDML-II 2880		2880	1440	72	345600	72	1.5	102
LDML-II 3360		3360	1680	84	403200	84	1.75	119
LDML-II 3840		3840	1920	96	460800	96	2.00	136
LDML-II 4320		4320	2160	108	518400	108	2.25	152
LDML-II 4800		4800	2400	120	576000	120	2.50	169
LDML-II 5280		5280	2640	132	633600	132	2.75	185
LDML-II 5760		5760	2880	144	691200	144	3.00	202
LDML-II 6240		6240	3120	156	748800	156	3.25	219
LDML-II 6720		6720	3360	168	806400	168	3.50	242
LDML-II 7200		7200	3600	180	864000	180	3.75	252
LDML-II 7680		7680	3840	192	921600	192	4.00	267

Model	Specification	Filtration Area m ²	Filter Bag Number	Number Of Groups	Airflow m ³ /h	Number Of Pulse Valves	Compressed Air Volume m ³ /min	Weight T	Arrangement
LDMM 225		225	200	5	33750	10	0.20	11.4	Single Row
LDMM 270		270	240	6	40500	12	0.24	13.1	
LDMM 315		315	280	7	47250	14	0.28	15	
LDMM 360		360	320	8	54000	16	0.32	17.1	
LDMM 405		405	360	9	60750	18	0.36	19.2	
LDMM 450		450	400	10	67500	20	0.40	21.1	Double Row
LDMM 540		540	480	2x6	81000	24	0.48	26.4	
LDMM 630		630	560	2x7	94500	28	0.56	31.2	
LDMM 720		720	640	2x8	108000	32	0.64	34.7	
LDMM 810		810	720	2x9	121500	36	0.72	39.5	
LDMM 900		900	800	2x10	135000	40	0.80	42.8	

Model	Specification	Filtration Area m ²	Filter Bag Number	Number Of Groups	Airflow m ³ /h	Number Of Pulse Valves	Compressed Air Volume m ³ /min	Weight T	Arrangement
LDMS 50		50	50	5	7500	5	0.05	2.5	Single Row
LDMS 60		60	60	6	9000	6	0.06	2.8	
LDMS 70		70	70	7	10500	7	0.07	3.3	
LDMS 80		80	80	8	12000	8	0.08	3.7	
LDMS 90		90	90	9	13500	9	0.09	4.1	
LDMS 100		100	100	10	15000	10	0.1	4.8	Double Row
LDMS 120		120	120	2x6	18000	12	0.12	5.9	
LDMS 140		140	140	2x7	21000	14	0.14	6.9	
LDMS 160		160	160	2x8	24000	16	0.16	8.4	
LDMS 180		180	180	2x9	27000	18	0.18	8.6	
LDMS 200		200	200	2x10	30000	20	0.20	9.7	

ILLUSTRATION LDML2160-5760



Dimension

Model	Item	A (Length)	B (Width)	H (Height)
LDML-I 2160		15000	7500	12300
LDML-I 2520		17500	7500	12300
LDML-I 2880		20000	7500	12300
LDML-I 3240		22500	7500	12300
LDML-I 3600		25000	7500	12300
LDML-I 3960		27500	7500	12300
LDML-I 4350		30000	7500	12300
LDML-I 4680		32500	7500	12300
LDML-I 5060		35000	7500	12300
LDML-I 5400		37500	7500	12300
LDML-I 5760		40000	7500	12300
LDML-II 2880		15000	7500	13040
LDML-II 3360		17500	7500	13040
LDML-II 3840		20000	7500	13040
LDML-II 4320		22500	7500	13040
LDML-II 4800		25000	7500	13040
LDML-II 5280		27500	7500	13040
LDML-II 5760		30000	7500	13040
LDML-II 6240		32500	7500	13040
LDML-II 6720		35000	7500	13040
LDML-II 7200		37500	7500	13040
LDML-II 7680		40000	7500	13040

Model	Item	A (Length)	B (Width)	H (Height)
LDMM 225		4160	3000	8155
LDMM 270		5000	3000	8155
LDMM 315		5830	3000	8155
LDMM 360		6660	3000	8155
LDMM 405		7500	3000	8155
LDMM 450		8330	3000	8155
LDMM 540		5000	3000	8155
LDMM 630		5830	3000	8155
LDMM 720		6660	3000	8155
LDMM 810		7500	3000	8155
LDMM 900		8330	3000	8155
LDMS 50		1900	1150 Single	3450
LDMS 60		2300	1150 Single	3450
LDMS 70		2700	1150 Single	3450
LDMS 80		3100	1150 Single	3450
LDMS 90		3500	1150 Single	3450
LDMS 100		3900	1150 Single	3450
LDMS 120		2300	3650 Double	3450
LDMS 140		2700	3650 Double	3450
LDMS 160		3100	3650 Double	3450
LDMS 180		3500	3650 Double	3450
LDMS 200		3900	3650 Double	3450

JBC FLAT BAG DUST COLLECTOR

Description

The JBC-IIB flat bag dust removal unit is a new series of dust removal units based on the JBC-IB type developed by the North China Electric Power Design Institute of the Ministry of Water and Power.

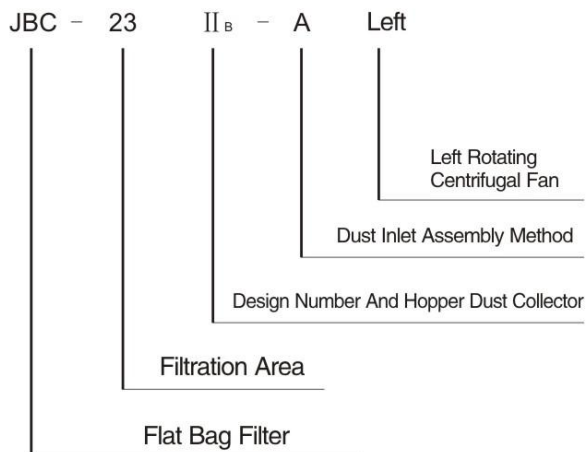
Principle

The dust-containing gas enters the dust collector from the air inlet of the lower part of the dust collector, is filtered through the filter bag, and the dust is attached to the outer surface, and the clean air is discharged by the fan through the cloth bag. When the dust collector is operated for a certain period of time, the dust content of the filter bag surface area will increase. When the filter bag resistance is ≥ 100 mm water column, it will be cleaned. The cleaning time is about 20 seconds. The interval between cleaning and dusting is determined by the dust concentration, and the interval between cleaning operations is determined by actual operation. The dust cleaning motor can also be manually operated to remove the dust accumulated on the surface of the filter bag to achieve the purpose of cleaning. . When the dust is cleaned, the fan should stop running. If necessary, an interlock device can be added to automate the cleaning. The dust is removed through the ash hopper through the ash discharge valve.

Application

The dust removal unit is suitable for dustproof projects in electric, cement, building materials, chemical, metallurgical, mining and other industries. It has the advantages of small size, compact structure, low noise, convenient and reliable use. It is especially suitable for dust removal in various silos, silos and transfer points. The dust removed by the dust collector can be directly discharged into the silo, silo or belt through the ash bucket.

Dust Collector Model Specifications And Assembly Methods:



Flat Bag Team Dust Collector Unit Performance Table

Table 1 :flat Bag Team Dust Collector Unit Performance Table

No.	Dust Collector Model Technical Performance	JBC-18- II _B	JBC-23- II _B	JBC-28- II _B	JBC-36- II _B
1	Airflow m3/h	2210	3284	4000	5700
2	Filtration area (m2)	18	23	28	36
3	Equipment resistance (mmH2O)	90	100	100	100
4	Efficiency %	99.5	99.5	99.5	99.5
5	Inlet dust concentration g/m3	<7	<7	<7	<7
6	Filtration wind speed m/s	2.1	2.34	2.4	2.67
7	Exhaust motor(Kw)	2.2	3	5.5	7.5
8	Soot cleaning motor(Kw)	0.18	0.18	0.18	0.18x2(2sets)
9	Ash discharge motor(Kw)	1.1	1.1	1.1	1.1
10	Dimension (Length x Width x Height)mm	974x850x2710	1219x850x2775	1415x850x2945	1694x974x3300
11	Weight (Kg)	555	670	763	810

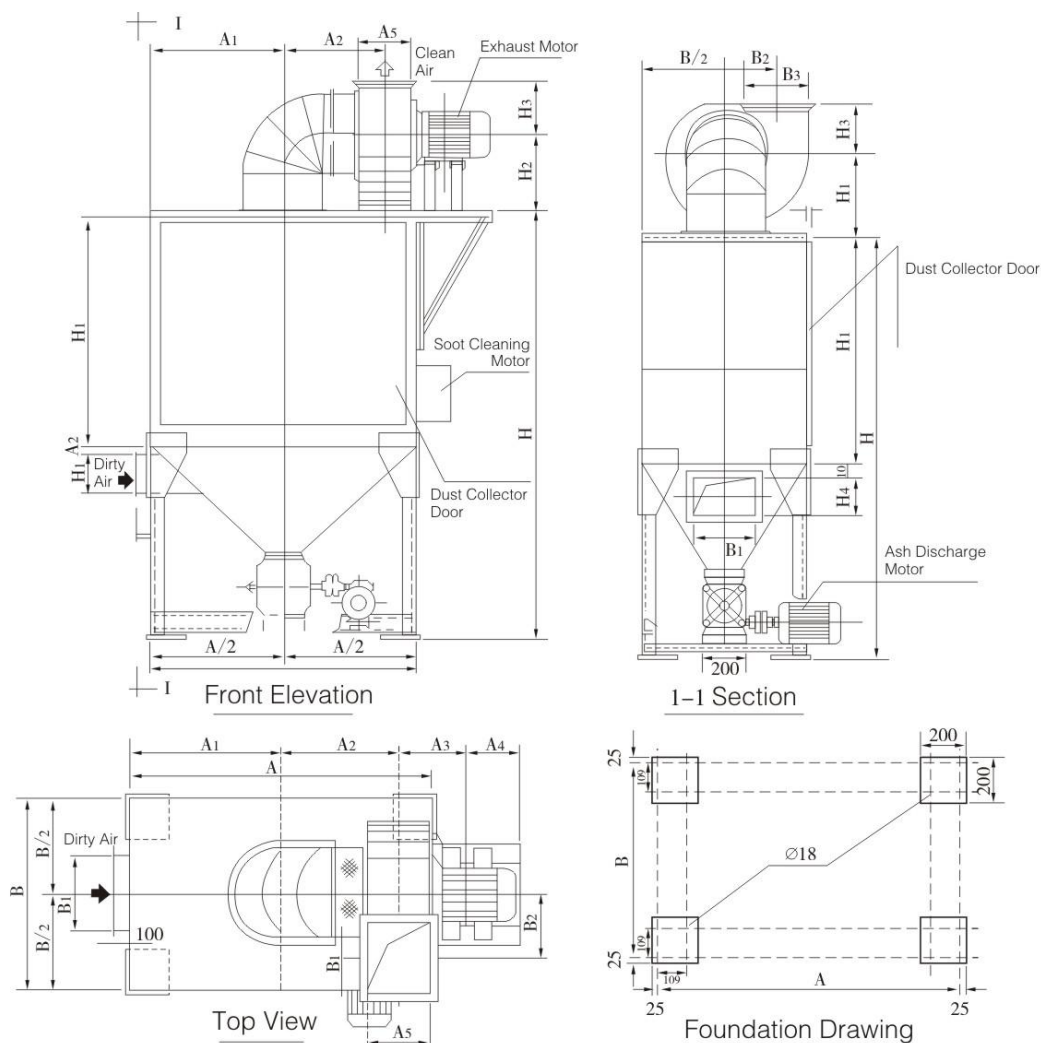


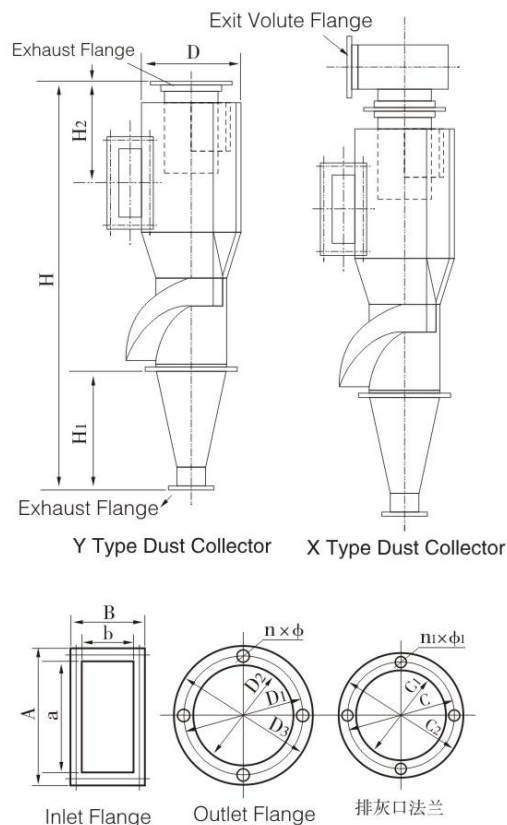
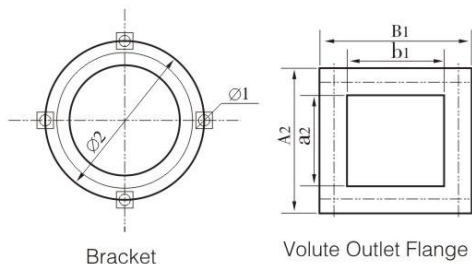
Table 2 Flat Bag Dust Collector Installation Dimensions

Flat Bag Dust Collector Installation Dimensions				
Dimension \ Model	JBC-18- II 8	JBC-23- II 8	JBC-28- II 8	JBC-36- II 8
A	974	1219	1415	1694
198	487	609.5	707.5	847
256	404	498	513	488
A ₃	235	263	305	322.5
A ₄	198	212	261	
A ₅	224	252	280	315
B	850	850	850	974
B ₁	350	350	350	
B ₂	224	252	280	315
B ₃	256	288	320	360
H	2170	2170	2270	2514
H ₁	1170	1170	1170	1170
H ₂	330	370	410	479
H ₃	209.5	235.5	264.5	297
H ₄	200	200	200	300

XLP-A TYPE CYCLONE DUST COLLECTOR

Description

The dust collector is divided into a suction type X type and a press type Y type, and the X and Y types are further classified into an N type (left turn) and an S type (right turn) according to the rotation direction of the volute.



Technical Characteristic

Mode Specifications	Airflow (m³/h)	Resistance (Kg/m²)		Efficiency %	Dimension(Length × Width × Height)		Weight(Kg)	
		X	Y		X	Y	X	Y
XLP/A ~ 3.0	750 ~ 1060	45 ~ 90	39 ~ 79	85 ~ 99	406 × 390 × 6125	460 × 390 × 1380	57	43
XLP/A ~ 4.2	1460 ~ 2060				556 × 545 × 2177	556 × 545 × 1880	99	80
XLP/A ~ 5.2	2280 ~ 3230				711 × 700 × 2701	711 × 700 × 2701	165	128
XLP/A ~ 7.0	4020 ~ 5700				911 × 910 × 3489	911 × 910 × 3040	265	213
XLP/A ~ 8.2	5500 ~ 7790				1071 × 1605 × 4050	1071 × 1605 × 3540	364	293
XLP/A ~ 9.4	7520 ~ 10650				1226 × 1222 × 4616	1226 × 1222 × 4050	473	384
XLP/A ~ 10.6	9520 ~ 13500				1376 × 1337 × 5157	1376 × 1337 × 4545	631	483

Dimension	H	H ₁	H ₂	D	A	B	a	b	D ₁	D ₂	D ₃	n	Φ	C	C ₁	C ₂	n ₁	Φ ₁	Φ ₂	Φ ₃	A ₁	B ₁	a ₁	b ₁	h
Model																									
XLP/A ~ 3.0	1380	420	340	300	292	132	242	82	210	182	232	6	11	146	116	176	6	11	270	14	202	187	152	137	246
XLP/A ~ 4.2	1886	590	445	420	382	162	332	112	280	252	302	8	11	146	116	176	6	11	360	14	242	237	202	187	291
XLP/A ~ 5.2	2350	750	540	540	462	202	402	142	356	322	382	8	11	146	116	176	6	11	440	14	312	297	252	237	351
XLP/A ~ 7.0	3040	980	690	700	602	242	542	182	456	422	482	12	11	146	116	176	6	11	580	18	412	367	352	307	451
XLP/A ~ 8.2	3540	1150	795	820	712	292	632	212	536	492	572	12	13	197	167	227	6	11	660	18	472	437	402	357	506
XLP/A ~ 9.2	4055	1320	907.5	940	817	327	737	247	606	562	642	16	13	197	167	227	6	11	740	18	532	487	452	407	561
XLP/A ~ 10.6	4545	1480	1012.5	1060	907	357	827	277	676	632	712	16	13	197	167	227	6	11	830	18	582	537	502	457	611



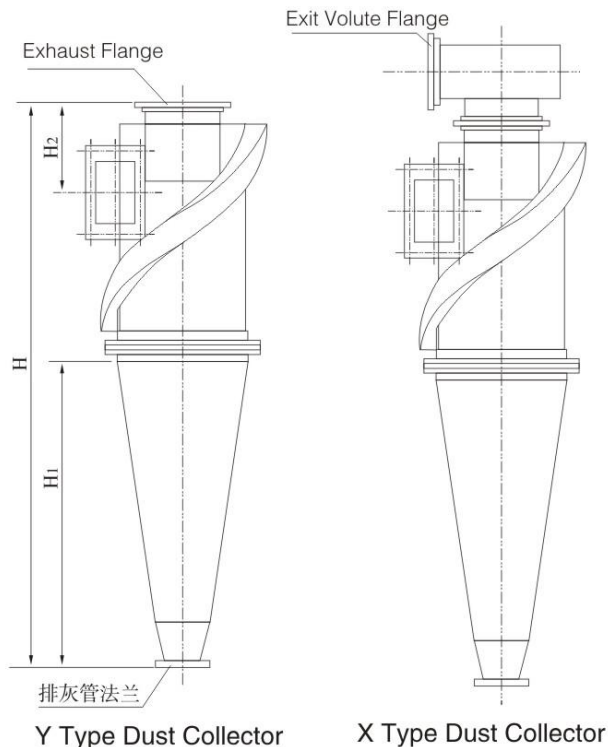
XLP-B CYCLONE DUST COLLECTOR

Description :

XLP/B (formerly CLP/B) is a dry type and efficient cyclone with a bypass.

The XLP/B type is divided into X type (suction type) and Y type (pressing type) according to the different positions before and after the fan, in which the X type increases the outlet spiral shell in the dust collector body. The X and Y types were divided into N types (left rotation) and S types (right rotation) according to the spiral rotation direction.

The dust collector is mainly used to remove non-stick dust, coal carbon, sediment, smoke dust and other dust etc.



Technical Characteristic

Model Specifications	Inlet Wind Speed(m/s)	Airflow(m³/h)	Resistance(Kg/m²)		Efficiency %	Dimension(Length × Width × Height)		Weight (Kg)
			X	Y		X	Y	
XLP/B ~ 3.0	12 ~ 27	650 ~ 1050	30 ~ 90	27 ~ 75	85 ~ 99	438x381x1606	439x381x1360	66
XLP/B ~ 4.2		1280~2138				603x534x2172	630x534x1375	108
XLP/B ~ 5.4		2090~3480				772x685x2764	772x685x2395	170
XLP/B ~ 7.0		3650~6080				994x889x3529	994x889x3089	283
XLP/B ~ 8.2		5030~8380				1167x1040x4110	1176x1040x3600	374
XLP/B ~ 9.4		6550~10620				1332x1094x4671	1332x1194x4110	477
XLP/B ~ 10.6		8370~13980				1495x1345x5232	1495x1345x4621	578

Model	H	H ₁	H ₂	D	A	B	a	b	D ₁	D ₂	D ₃	n	Φ	C	C ₁	C ₂	n ₁	Φ ₁	Φ ₂	Φ ₃
XLP/B ~ 3.0	1360	780	245	300	232	142	182	92	210	182	232	6	11	146	116	176	6	11	360	14
XLP/B ~ 4.2	1875	1090	310	420	302	177	252	127	280	252	302	8	11	146	116	176	6	11	480	14
XLP/B ~ 5.4	2395	1405	380	540	382	327	322	162	356	322	382	8	11	146	116	176	6	11	900	14
XLP/B ~ 7.0	3080	1820	475	700	482	222	422	212	456	422	482	12	11	146	116	176	6	11	780	18
XLP/B ~ 8.2	3600	2130	545	820	572	272	492	247	536	492	572	12	13	197	167	227	6	11	600	18
XLP/B ~ 9.4	4110	2440	615	940	642	362	562	282	606	562	642	16	13	197	167	227	6	11	1020	18
XLP/B ~ 10.6	4620	2750	685	1060	712	367	632	317	676	632	712	16	13	197	167	227	6	11	1140	18

WOODWORKING DUST COLLECTION EQUIPMENT

Description

We are the scientific research cooperation unit of Nanjing forestry university, and is the only specialized factory in China that produces pneumatic conveying and dust absorbing equipment for wood industry.

Specification And Partial Parameters Of Nanjing- I Efficient Cyclone Separator (bfc-5)

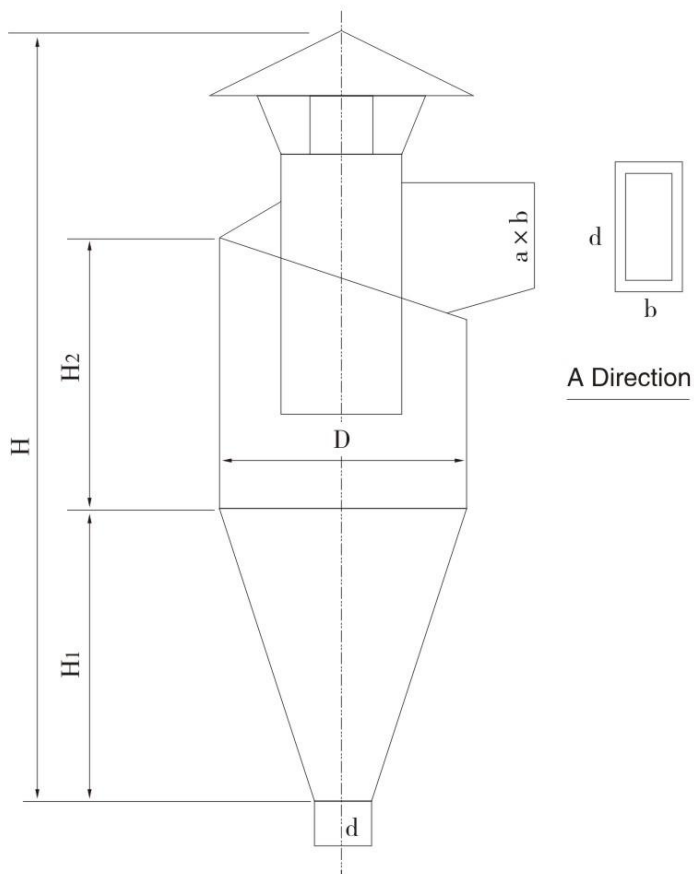
Cyclone Separator №	Throughput (m ³ /h)	Dimensions				
		D	H	H ₁	H ₂	a x b Entrance Area
分-250	450	250	1405	630	775	130x65
分-300	550	300	1715	795	920	165x75
分-375	800	375	2030	910	1120	185x95
分-450	1200	450	2485	1150	1310	225x115
分-550	1800	550	2930	1365	1565	270x190
分-675	2600	675	3435	1560	1875	325x170
分-800	3800	800	4115	1885	2230	400x200
分-950	6000	950	4825	2195	2630	490x235
分-1150	7500	1150	5725	2535	3180	570x290
分-1400	10500	1400	6825	2940	3910	700x350
分-1500	13000	1500	7405	3195	4210	750x370

Specification And Partial Parameters Of The High Efficiency Cyclone Separator For Nanjing Normal Type (bfc-4)

Cyclone Separator №	Throughput (m ³ /h)	Dimensions				
		D	H	H ₁	H ₂	a x b Entrance Area
Φ-250	500	250	1150	425	600	130x65
Φ-300	700	300	1380	25	700	165x75
Φ-375	1000	375	1720	635	900	185x95
Φ-450	1500	450	2035	756	1050	225x115
Φ-550	2200	550	2505	935	1300	270x190
Φ-675	3200	675	3055	1130	1600	325x170
Φ-800	4500	800	3650	1360	1900	400x200
Φ-950	6600	950	4335	1625	2250	490x235
Φ-1150	9500	1150	5255	1950	2750	570x290
Φ-1400	14000	1400	6395	2370	3350	700x350
Φ-1500	16000	1500	6865	2540	3600	750x370

High Efficiency Separator (bfc-2)

Bxf-2 high efficiency cyclone separator is a high efficiency separator developed by Nanjing forestry university, suitable for high concentration transport of chipboard and wood chips. It is benefited by simple structure, small size, high productivity and high separation efficiency. Inlet wind speed is 16–21 m/s, resistance coefficient 2, pressure loss of 50 mm water column, separation efficiency up to 99.5%.



Related Data Of Bfc-2 Separator

Specification	Throughput (m ³ /h)	H	H ₁	H ₂	D	d	a	b
1050型	4100–3500	3075	1275	2675	1050	300	315	225
1200型	5500–7500	3500	1500	2790	1200	330	380	250
1350型	7500–9500	3945	1725	2947.5	1350	350	455	275
1500型	9500–12000	4420	1950	3292.5	1500	380	515	300
1700型	12000–14500	4940	2200	3720	1700	420	560	350
1900型	14500–17500	5465	2475	4177.5	1900	480	585	400
2100型	17500–20500	6010	2750	4640	2100	520	620	450
2300型	20500–24500	6610	3050	5120	2300	550	660	500
2500型	24500–28000	7260	3450	5690	2500	600	720	550