

JETBAG

Dust Collector



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 eNVOTECH

WORKING PRINCIPLE

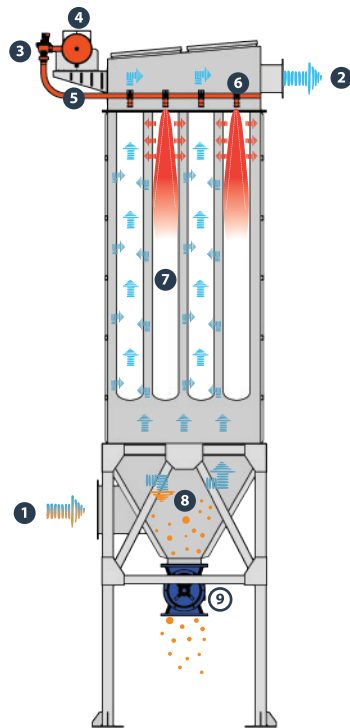
Dust collector, JETBAG works according to the following steps. The dust is conveyed through the hose with the suction from the Blower. The dust is sucked into the JETBAG inlet which is on the side of the machine. Inside contains rooms for dust and dust filter. Large dust is forced to flow into the bottom to Hopper before. Then a smaller or lighter dust drifted up to filter room. The dust is filtered by filter bag. Clean air is sent up to the non-dust room and released to outside. Working like this can reduce the work of the bag filter for dust removal efficiency and use for a long time.

Bag filter fabrics made of material PE (Polyethylene) temperature resistant to 150 degrees Celsius. You can change the fabric for high temperature resistant to 280 degrees Celsius. Imported from Germany. Bag cage was put into the bag filter to reduce the blockage of the dust.

Then, cleaning efficiency is high. Fabrics coated with waterproof and oil thus extend the filter bags for longer life and prevent moisture from steam. Be mixed in with the dust. The machine has a Pulse Jet as automation by nozzle. Dust attached to the filter bag drop to the dust bin below. As a result, clean the filter bag. The system will work continuously. Time can be set to clean. Properly to save the wind. Nozzle is multiventuri can increase the pressure and volume of air in the filter bag cleaning up to double.

Dust collector JETBAG can be used with all kinds of dry dust. Can be designed according to the requirements of customers. Can be used with the dust with high temperature up to 280 degrees Celsius. Suitable for applications requiring high air volume. Vacuum many points. The dust with heat. Such as dust cutting or grinding cement ceramic sawdust cement kiln etc.

JETBAG (MODEL A)



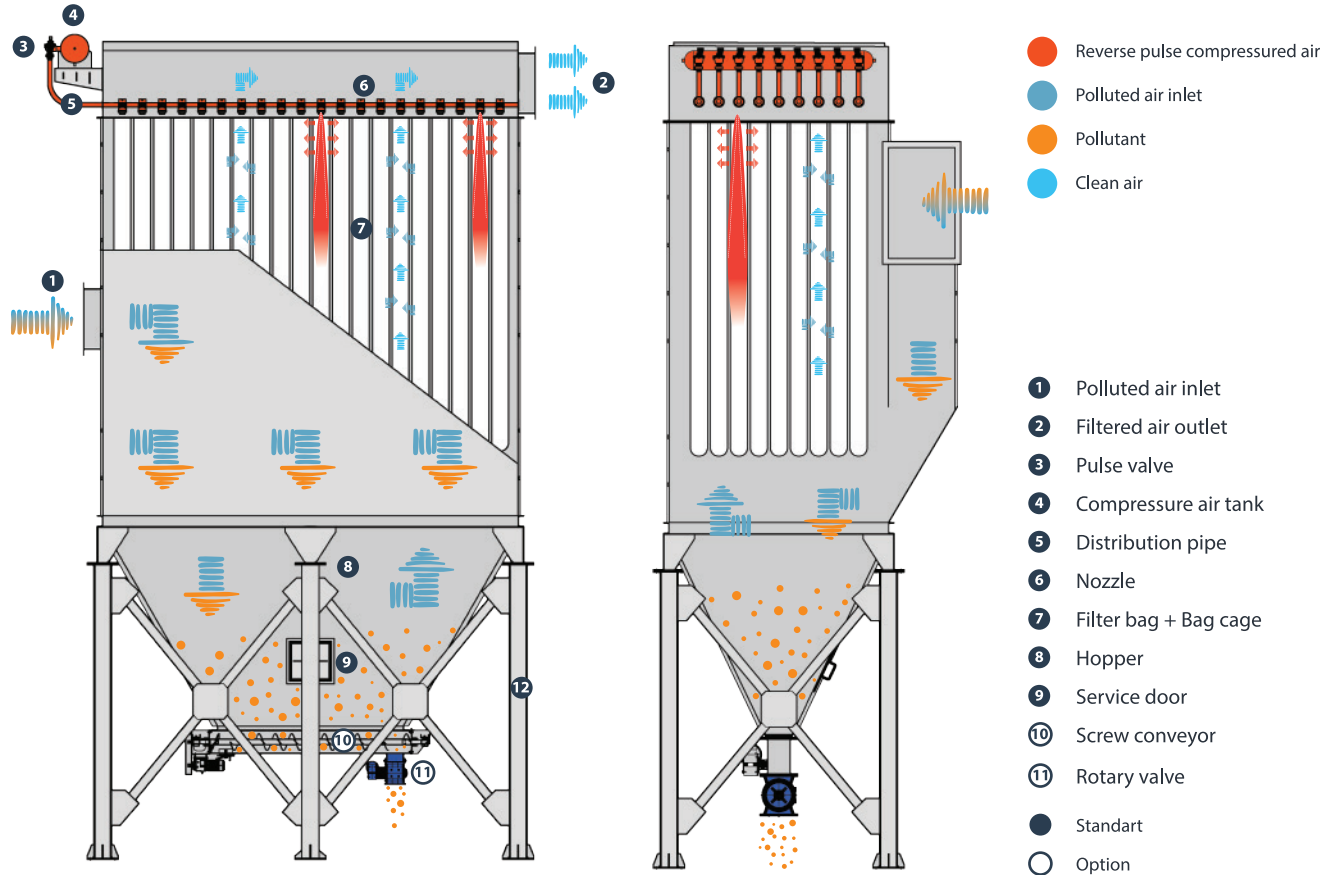
- Reverse pulse compressed air
 - Polluted air inlet
 - Pollutant
 - Clean air
-
- 1** Polluted air inlet
 - 2** Filtered air outlet
 - 3** Pulse valve
 - 4** Compressure air tank
 - 5** Distribution pipe
 - 6** Nozzle
 - 7** Filter bag + Bag cage
 - 8** Hopper
 - 9** Rotary valve
 - 10** Ladder with platform
-
- Standart
 - Option



JETBAG (MODEL B & C)

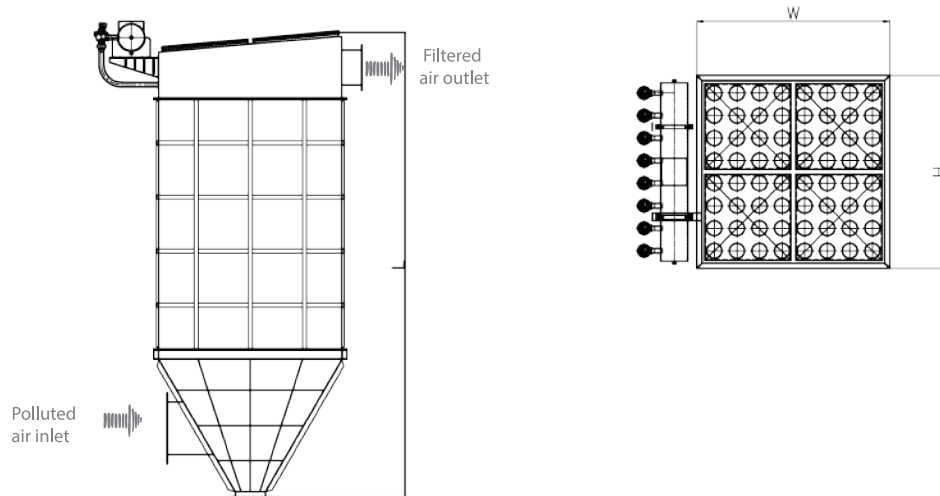
Model B : Hopper

Model C : With screw conveyor



MODEL AND SPECIFICATION

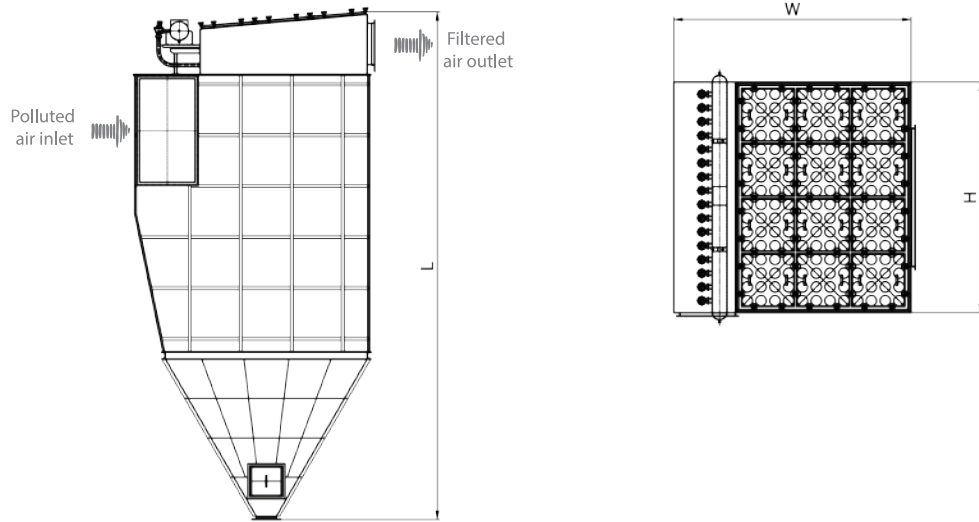
Model A



Model	Filter no. (PCS)	Filter area (SQM)	Valve no. (PCS)	H (mm)	W (mm)	L (mm)
JETBAG 36-3.0	36	50	6	1475	1475	4730
JETBAG 48-3.0	48	70	6	1475	1925	5140
JETBAG 60-3.0	60	85	6	1475	2375	5580
JETBAG 64-3.0	64	90	8	1925	1925	5170
JETBAG 80-3.0	80	115	8	1925	2375	5680
JETBAG 96-3.0	96	135	8	1925	2825	6110
JETBAG 100-3.5	100	165	10	2375	2375	6170
JETBAG 120-3.5	120	140	10	2375	2825	6600
JETBAG 120-4.0	120	230	10	2375	2825	7580

MODEL AND SPECIFICATION

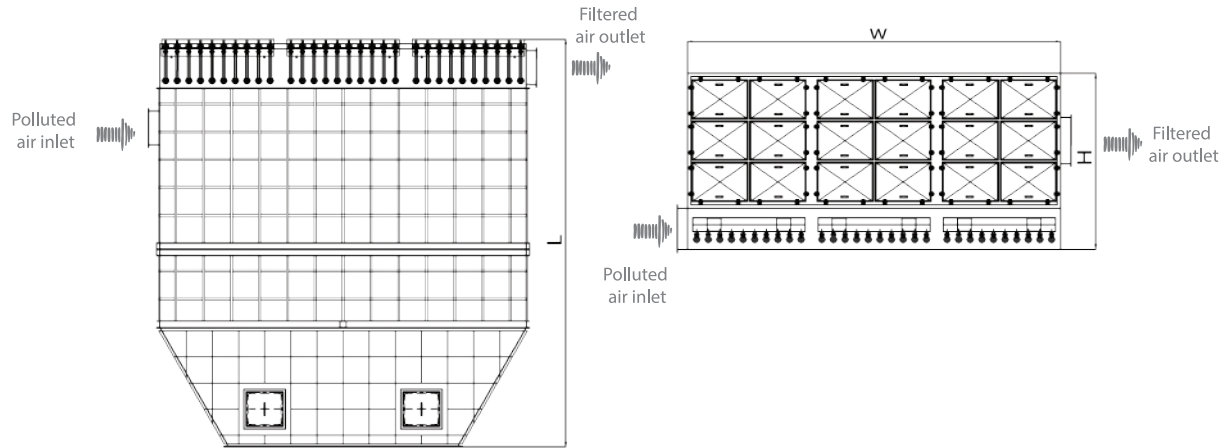
Model B



Model	Filter no. (PCS)	Filter area (SQM)	Valve no. (PCS)	H (mm)	W (mm)	L (mm)
JETBAG 144-4.0	144	271	10	2825	2825	7580
JETBAG 144-4.5	144	271	10	2825	2825	8080
JETBAG 168-4.0	168	316	14	3275	2825	7710
JETBAG 168-4.5	168	356	14	3275	2725	8210
JETBAG 192-4.0	192	362	16	3550	2550	7620
JETBAG 192-4.5	192	407	16	3550	2550	8110
JETBAG 216-4.5	216	458	18	2600	4400	7895
JETBAG 240-4.5	240	508	20	2600	4850	7895
JETBAG 288-4.5	288	610	24	2590	5750	7895

MODEL AND SPECIFICATION

Model C



Model	Filter no. (PCS)	Filter area (SQM)	Valve no. (PCS)	H (mm)	W (mm)	L (mm)
JETBAG 312-4.5	312	661	24	3600	5750	7895
JETBAG 336-4.5	336	712	24	3800	5750	7895
JETBAG 360-4.5	360	763	30	3415	7225	7895
JETBAG 384-4.5	384	814	32	3400	7900	7895
JETBAG 408-4.5	408	865	34	3400	8000	7895
JETBAG 432-4.5	432	916	36	3400	8625	7895
JETBAG 456-4.5	456	966	38	3400	8900	7895
JETBAG 480-4.5	480	1017	40	3400	9700	7895
JETBAG 508-4.5	508	1077	36	3800	8625	7895

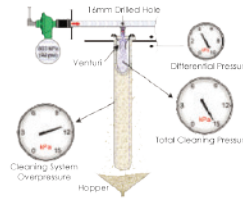
RESISTANCE OF SYNTHETIC FIBRES TO THE INFLUENCE OF CHEMICALS AND TO TEMPERATURE



Scrim and fibre types	Continuous operating temp. (Maximum)	Description	Resistance to Hydrolysis	Resistance to Acids	Resistance to Alkalis	Resistance to Oxidation
Polypropylene	90°C / (95°C)	PP	excellent	excellent	excellent	restricted
Polyamide	110°C / (115°C)	PA	restricted	moderate	good	moderate
Polyacrylonitrile copolymer	115°C / (120°C)	AC	good	moderate	moderate	good
Temperature resistant olefin	125°C / (135°C)	RO	excellent	excellent	excellent	restricted
Polyacrylonitrile homopolymer	125°C / (140°C)	DT	good	good	moderate	good
Polyester	150°C / (150°C)	PE	restricted	moderate	restricted	good
Polyphenylene Sulfide	190°C / (200°C)	PPS	excellent	excellent	excellent	moderate
M-Aramid	200°C / (220°C)	NO, NX	moderate	moderate	moderate	moderate
Aromatic polyamide-imide	200°C / (220°C)	KMT	restricted	moderate	restricted	moderate
Polyimide	240°C / (260°C)	PI	good	moderate	moderate	good
Polytetrafluoroethylene	250°C / (280°C)	PTFE, TF, TFL	excellent	excellent	excellent	excellent

RECOMMENDED FELT & FILTER VELOCITIES

Particle Size of Dust	Typical Examples	Approx. Dust Cake Layer Req'd for 99.5% Collection Efficiency	Pulse Jet	
			Air/Cloth Ratio m/min	Area wt. of felt gm.m ²
Course 10-200 um	Flour, Grain, Textiles, Paper, Plastics, Fertilizers, Sanding	250 g/m ²	2.5-3.5	400
Medium 5-100 um	Detergents, Leather, Tobacco, Sugar, Shot blast, Refractory, Grinding	300 g/m ²	2.0-3.0	500
Fine 3-20 um	Cement, Asphalt, Limestone, Chalk, Foundry Dusts, Foodstuffs, Pharmaceuticals	400 g/m ²	1.5-2.0	500/540
Very Fine 0.5-20 um	Pigments, Carbon, Steel Furnace, Metal Gouging, Finishing	500 g/m ²	1.0-1.5	500/540/640 + surface finish
Fume Smoke & Fine Spherical <0.2-10 um	Aluminum Oxide Ferrosilicon, Smelting Fume	700 g/m ² Precoat with silica or limestone having nom. Particle size of 50 um	0.75-1.0	540/640 + surface finish Air/Cloth will depend on bulk density of dust & angle of repose of dust.

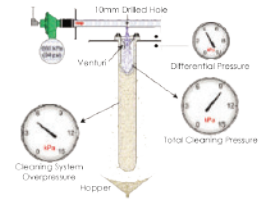


A powerful Pulse Jet system.

Compared to existing systems by using the same pressure of 4 Bar. Envotech's multi venturi system efficient system General Up to double

BENEFIT

Use air from Compressor less than double. Clean the filter bags thoroughly. Air volume does not damage the filter bag when used continuously.



High performance filter bag

Because the dust has both moisture and viscosity contamination in system, we choose a special filter bag to keep the filter fabric working long.

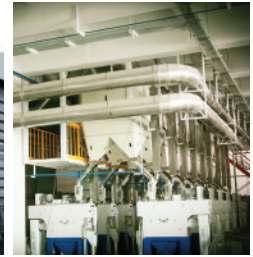
BENEFIT

Filter 500 g / sqm thick and durable. Dust filter up to 0.5 microns. Thus ,reduces dust dispersion problems.

Reference



Charoen Pokhland
Engineering Co., Ltd.



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Certification

