



SMART FLO DUST COLLECTORS

BAG TYPE
FOR DUST, MIST & FUMES



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BAG TYPE

The **SmartFlo** Bag-type Dust Collector is a modular equipment, which uses bag/sleeve-type filters, which are the filter media that allow particles to be captured and ensure that they are not expelled into the environment.

The baghouse dust collector offers reliable and 100% efficient operation:

- Pulse Jet Cleaning System
- High Material Load
- Inlet Baffles to Distribute Air Throughout the Dirty Plenum
- Higher Temperatures & Corrosive Environments
- Modular & Versatile Equipment

The bag type dust collector has two presentations:

A) Top access, which allows the filters to be changed from the top through the access doors to the clean air plenum and not have contact with the dust (dirty side of the collector).

B) Lateral access, in this type of collector exist direct contact with the collected dust (dirty side of the collector) by having an access door and changing the bags.



AIR INLETS



The dirty air inlet from the application can be of two types:

Entry into the body:

For applications with light and fibrous dust, the dirty air inlet through the body is available, which reduces the air velocity inlet and rising air (Can Velocity), which allows the collected dust to fall correctly into the hopper after that the bags have expelled it with the cleaning system.

Entrance through the hopper:

Dirty air enters over the bottom of the dust collector, this means through the hopper. Dirty air hits the baffle at the inlet end, causing heavy particles to fall directly into the hopper.

This reduces the amount of powder that comes into contact with the bags resulting in longer bag filter life and less pressure drop.

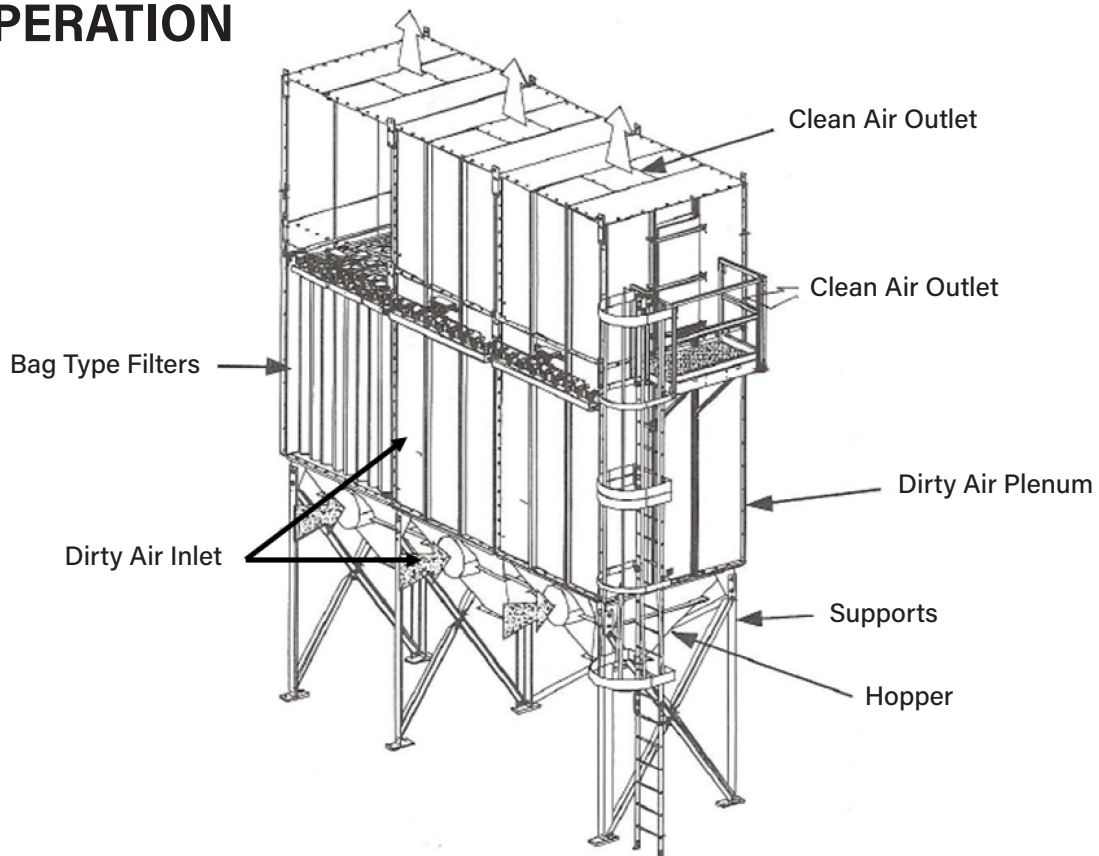


STANDARD FEATURES

SmartFlo baghouses reflect the efficiency that is required in the environment, and the cleanliness, that is needed within industrial plants, can be achieved with this type of system.

DESCRIPTION	STANDARD	SPECIAL
Gauge	Ga. 10/12	Ga. 3/16 or Higher
Construction material	Carbon Steel	Stainless Steel
Temperature	Standard	High Temperature
Service Platforms	Superior	Side
Filter Types	100% Polyester Bag	Aramids / Chemical Treatment
Cages	Galvanized	Stainless Steel
Finish	Standard Paint	Marine and/or Corrosive Environment
Cleaning System	Standard Diaphragm Valve	Diaphragm Valves for High Temperature
Support Structure	Standard Height	Bigger Height for Large Container
Discharge System	Drum	Rotary Valve / Helical Transport
Control System	Analogous	Digital
Security	Standard	Explosion-Proof Accessories

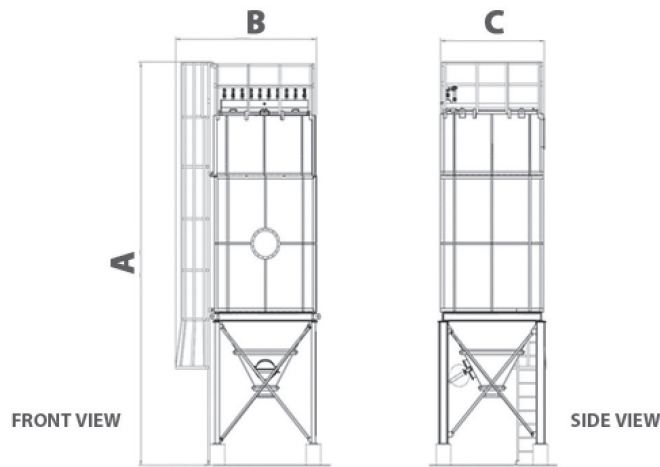
OPERATION



STANDARD FEATURES

CHARACTERISTICS	ADVANTAGES	BENEFITS
<ul style="list-style-type: none"> • Modular design with different height. 	<ul style="list-style-type: none"> • Allows flexibility in the design of systems and filtering area. 	<ul style="list-style-type: none"> • Adaptable to space limitations.
<ul style="list-style-type: none"> • Dirty air inlet deflectors. 	<ul style="list-style-type: none"> • Improvements in filtration, particle retention and accepted material load. 	<ul style="list-style-type: none"> • Applications with higher material load. • Higher filtration ratio for different powders.
<ul style="list-style-type: none"> • Multiple options for filter media. 	<ul style="list-style-type: none"> • High Temperature • Fibrous, Sticky & Special Materials 	<ul style="list-style-type: none"> • High Filtration Efficiency • Longer Filter Life • Versatility for movement within applications.
Filter assembly & accessibility: <ul style="list-style-type: none"> • Superior Access • Lateral Access 	<ul style="list-style-type: none"> • Easy for filters changes from clean side of sump. • Confined spaces without contact with the product. • Platforms for easy maintenance. 	<ul style="list-style-type: none"> • Less exposure to collected dust. • Easy to Maintain • Good anchoring of bags and cages.
Cleaning system: <ul style="list-style-type: none"> • Each module has its own air manifold with solenoids and diaphragms. • One solenoid-diaphragm per row of filters. • Solenoids, diaphragms and timers from different world brands. • Mass Flow Hoppers 	<ul style="list-style-type: none"> • Modular Design • Superior Cleaning System • Standard Components 	<ul style="list-style-type: none"> • Easy to Service • Longer Filter Life • Greater Load of Material





MODELS	FILTERS	FILTER AREA	DIAPHRAGM VALVES		MEASURES			APPROXIMATE WEIGHT (lbs.)
			#	Measure	A (in)	B (in)	C (in)	
FB-170-9-6-12-AS	9	170	3	1"	273 1/2	68 7/8	47 5/16	2,867
FB-302-16-6-12-AS	16	302	4	1"	279 1/4	77 3/8	55 3/4	3,297
FB-472-25-6-12-AS	25	472	5	1"	280	89 3/8	64 5/16	3,820
FB-679-36-6-12-AS	36	679	6	1 1/2"	317	99 1/2	72 13/16	4,484
FB-924-49-6-12-AS	49	924	7	1 1/2"	327 7/8	103 7/8	81 5/16	5,501
FB-1207-64-6-12-AS	64	1,207	8	1 1/2"	351 1/2	110 1/2	78 1/2	6,120
FB-1527-81-6-12-AS	81	1,527	9	1 1/2"	333 1/2	123 5/8	98 1/4	7,256
FB-1697-90-6-12-AS	90	1,697	9	1 1/2"	353	128	98 1/4	7,378
FB-1885-100-6-12-AS	100	1,885	10	1 1/2"	360 1/2	134 5/8	106 3/4	7,765
FB-2262-120-6-12-AS	120	2,262	12	1 1/2"	373 7/8	157 3/4	106 3/4	8,941
FB-2639-140-6-12-AS	140	2,639	14	1 1/2"	387	174 3/4	106 3/4	9,870
FB-3016-160-6-12-AS	160	3,016	16	1 1/2"	359 1/2	186 1/8	106 3/4	10,799
FB-3393-180-6-12-AS	180	3,393	18	1 1/2"	361 1/4	208 3/4	106 3/4	11,252
FB-3770-200-6-12-AS	200	3,770	20	1 1/2"	367 7/8	229 3/4	106 3/4	12,514
FB-4147-220-6-12-AS	220	4,147	22	1 1/2"	362 1/2	243 1/2	106 3/4	13,330
FB-4524-240-6-12-AS	240	4,524	24	1 1/2"	365 7/8	270	106 3/4	14,274
FB-4901-260-6-12-AS	260	4,901	26	1 1/2"	374	275 7/8	106 3/4	15,098
FB-5278-280-6-12-AS	280	5,278	28	1 1/2"	381 1/2	293 1/8	106 3/4	16,145
FB-5655-300-6-12-AS	300	5,655	30	1 1/2"	360 1/2	310	106 3/4	17,377
FB-6032-320-6-12-AS	320	6,032	32	1 1/2"	360 1/2	327 3/8	106 3/4	17,931
FB-6409-340-6-12-AS	340	6,409	34	1 1/2"	361 1/2	344	106 3/4	18,721
FB-6786-360-6-12-AS	360	6,786	36	1 1/2"	360 1/2	366 1/2	106 3/4	19,834
FB-7163-380-6-12-AS	380	7,163	38	1 1/2"	371 1/2	378	106 3/4	20,494
FB-7540-400-6-12-AS	400	7,540	40	1 1/2"	365	362	106 3/4	21,642
FB-7917-420-6-12-AS	420	7,917	42	1 1/2"	370	373 3/8	106 3/4	22,485
FB-8294-440-6-12-AS	440	8,294	44	1 1/2"	366 7/8	433 3/4	106 3/4	23,708
FB-8671-460-6-12-AS	460	8,671	46	1 1/2"	354 3/8	457 1/4	106 3/4	24,366
FB-9048-480-6-12-AS	480	9,048	48	1 1/2"	369	473 7/8	106 3/4	25,569
FB-9425-500-6-12-AS	500	9,425	50	1 1/2"	354 7/8	497	106 3/4	26,871



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**OUR EXPERIENCE GUARANTEES
YOUR EFFICIENCY**



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