DUSTHOG

Data Sheet

Modular Industrial Baghouse (MIB)

The DustHog® Modular Industrial Baghouse (MIB) provides a safe, effective, service friendly solution to handle the most challenging process and nuisance dust collection applications. The MIB solution offers benefits including best in class filtration technology and customizable configurations meeting unique requirements and technical expertise derived from a half century of successfully optimizing baghouse applications.

MIB Features and Benefits

- **Proven Filter Technology and Performance.** Powered by BHA® filter technology, the filters included in the MIB offer high efficiency and durable construction that can be relied upon to protect your workers and facility, and reduced cost of ownership through straightforward maintenance and longer filter life. Whether polyester fabric bags and cages, BHA PulsePleat® filter elements or BHA Preveil® membrane technology the filters have been engineered to perform and deliver operational results.

- **Flexible Modular Design.** Each MIB baghouse is engineered to order per our customer requirements. The modular system can be expanded in three dimensions and can be equipped with filter media selections that optimize system performance. Each section of the system including the hopper, dirty air inlet, blower and controls are all configured to address each plant's particular requirements.

- **Technical Expertise.** Get leading technology with Parker Hannifin, we are the inventors of numerous filtration and media technologies and filter styles that lead the industry. We can help you achieve environmental targets or find cost-effective solutions.

- **Easy Service and Maintenance.** The MIB was designed with service and reliable operation in mind. Tool-free blowpipe and filter removal are just a few features that will save you time and money associated with maintenance of your system.

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Industrial Filtration
Since 1978

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MIB Product Features

Service Access Platform and Safety Railing
Safely access and service collector.

Top Load Filter Access
Minimizes employee exposure to dust during filter service.

Clean Air Discharge
Flanged discharge configurable to match installation requirements.

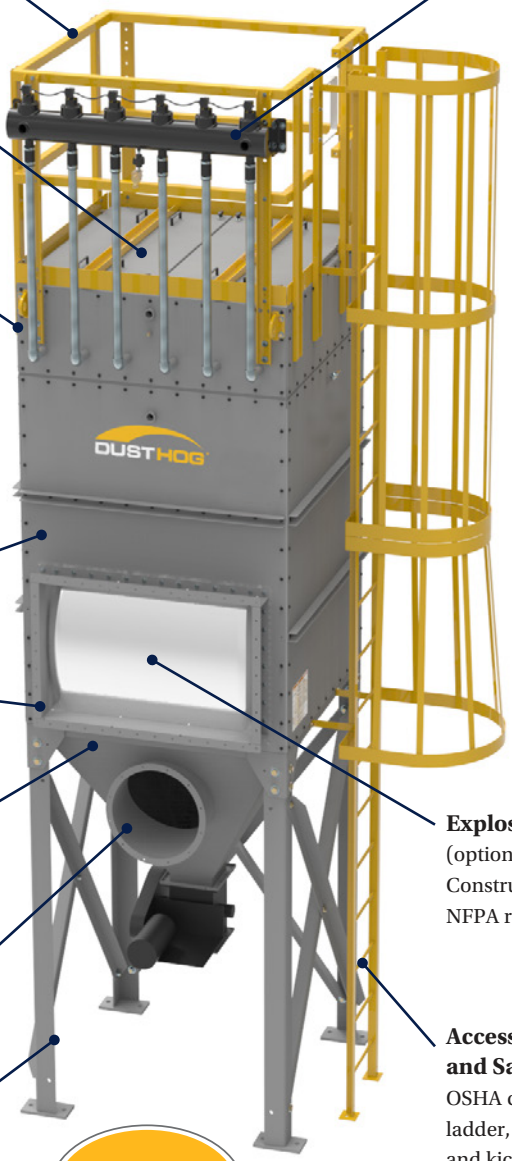
Panelized Construction
Modular construction allowing unique configuration, improved installation and field expansion.

Durable Construction
Heavy duty 10-gauge construction, powder coated inside and out.

Discharge Hopper
60 Degree sloped pyramid hopper.

Flanged Hopper Inlet
Configurable to match installation requirements.

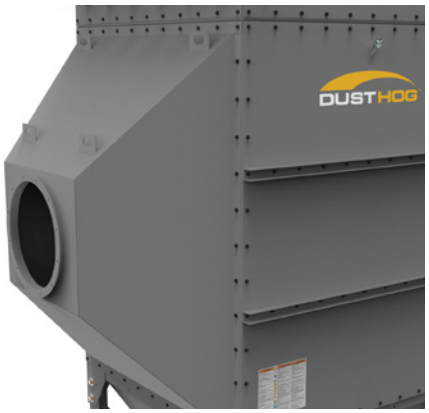
Structural Legset
Rugged construction meets IBC seismic and wind loading regulations.



Immersion Pulse Valve Headers
Delivers more filter cleaning energy than traditional 90° valves and located at serviceable location.

Ladder Vane

Ladder Vane Hopper Dirty Air Inlet
Reduces the amount of material carried to the filter bag surfaces, reducing the possibility of abrasion and extending filter life.



Explosion Vents (optional)
Constructed to meet NFPA requirements.

Access Ladder and Safety Cage
OSHA compliant ladder, railing, gate and kick plate.

High Dirty Air Inlet
Optional configuration for handling contaminants that require low can velocity for optimal baghouse performance.

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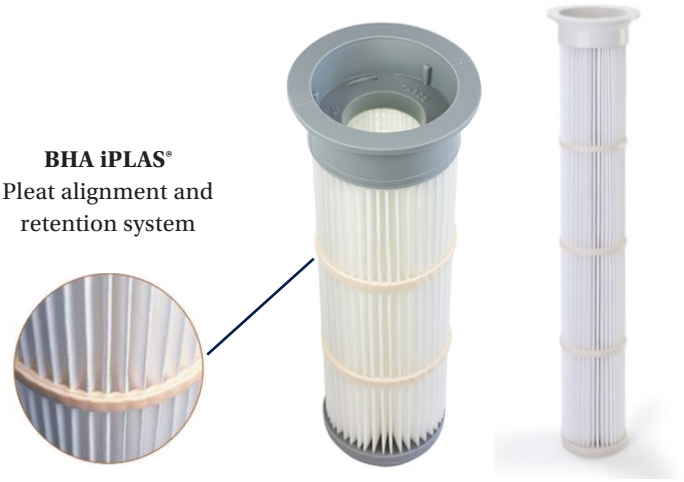
BHA® Filter Technology

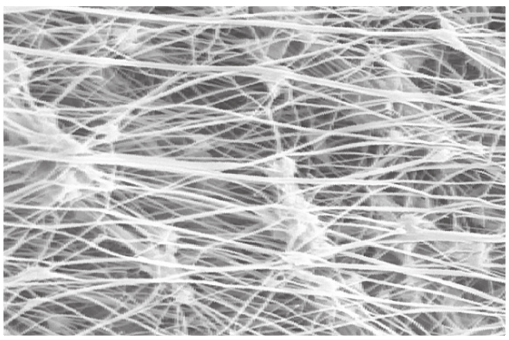
Felted Bags and Cages

We offer a complete range of fabric filter bags for your dust collection system in a wide variety of fabrics, finishes, styles and sizes.

Pleated Filter Elements



BHA PulsePleat elements are the original pleated technology and are designed and manufactured to operate in the harshest of industrial environments including heavy loading, high temperatures and moisture.



BHA Preveil membrane is an expanded microporous ePTFE membrane that offers customers improvements in performance including reduced emissions, lower operational costs and increased durability.

BHA Preveil Advantages

- Highest filtration efficiencies (99.99+%) for lowest emissions
- Surface loading technology provides excellent dust cake release during cleaning maintaining low pressure drop and stable operation, even on sub micron contaminant
- Reduced agglomeration for hassle-free baghouse operation
- Greater airflow and/or lower energy consumption helps provide quick return on investment
- Enhanced chemical resistance

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MIB Specifications

Model	Module Arrangement		Module Dimension						Valve Qty	Filter Qty	Filter Length		Filter Area*					
			Width		Depth		Height						Filter Bags and Cages		Pleated Filter Elements			
															45 Pleats		60 Pleats	
	Width	Depth	(in)	(mm)	(in)	(mm)	(in)	(mm)			(in)	(m)	(ft^2)	(m^2)	(ft^2)	(m^2)	(ft^2)	(m^2)
MIB-11-T10	1	1	60	1,524	60	1,524	199	5,055	6	36	41.6	1.0	204	19	988	92	1,317	122
MIB-11-T14	1	1	60	1,524	60	1,524	214	5,436	6	36	57.4	1.4	280	26	1,398	130	1,863	173
MIB-11-T19	1	1	60	1,524	60	1,524	232	5,888	6	36	75.0	1.9	368	34	1,856	172	2,475	230
MIB-21-T19	2	1	120	3,048	60	1,524	232	5,888	12	72	75.0	1.9	736	68	3,712	345	4,950	460
MIB-12-T19	1	2	60	1,524	120	3,048	233	5,913	6	72	75.0	1.9	736	68	3,712	345	4,950	460
MIB-31-T19	3	1	180	4,572	60	1,524	232	5,888	18	108	75.0	1.9	1,104	103	5,568	517	7,425	690
MIB-41-T19	4	1	240	6,096	60	1,524	232	5,888	24	144	75.0	1.9	1,472	137	7,424	690	9,900	920
MIB-22-T19	2	2	120	3,048	120	3,048	232	5,888	12	144	75.0	1.9	1,472	137	7,424	690	9,900	920
MIB-51-T19	5	1	300	7,620	60	1,524	232	5,888	30	180	75.0	1.9	1,840	171	9,280	862	12,375	1,150
MIB-61-T19	6	1	360	9,144	60	1,524	232	5,888	36	216	75.0	1.9	2,208	205	11,136	1,035	14,850	1,380
MIB-32-T19	3	2	180	4,572	120	3,048	232	5,888	18	216	75.0	1.9	2,208	205	11,136	1,035	14,850	1,380
MIB-71-T19	7	1	420	10,668	60	1,524	232	5,888	42	252	75.0	1.9	2,576	239	12,992	1,207	17,325	1,609
MIB-81-T19	8	1	480	12,192	60	1,524	232	5,888	48	288	75.0	1.9	2,944	273	14,848	1,379	19,800	1,839
MIB-42-T19	4	2	240	6,096	120	3,048	232	5,888	24	288	75.0	1.9	2,944	273	14,848	1,379	19,800	1,839
MIB-52-T19	5	2	300	7,620	120	3,048	232	5,888	30	360	75.0	1.9	3,680	342	18,560	1,724	24,750	2,299

* Filter area may be reduced based on options selected and unit configuration

Options and Accessories

- **Electrical control options**
  - Digital Pulse Control panels (DPC)
  - *FilterSense® optimized control systems
  - Motor starters
  - Variable frequency drives
  - *Magnehelic Gauge
- **Discharge options**
  - Trough hoppers
  - Rotary airlocks
  - Double flap valves
  - Screw conveyors
  - Slide gate
- **High temperature construction**
- **Blower options**
  - Integral or ground mount arrangements
  - Discharge dampers / silencers
- **Combustible dust options and accessories**
  - Membrane explosion vents
  - Backdraft dampers
- **Sprinkler couplings**
- **Custom paint colors**
- **Expands in three dimensions to allow for increased filtration needs**

* Trademarks are the property of their respective owners.

Important – Understand and follow NFPA guidance in selecting equipment for your intended application, including required safety devices and testing your dust to determine combustion hazards. At your election, we can coordinate sample collection and testing.

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