



"TO IMPROVE THE HEALTH, SAFETY, AND QUALITY OF PEOPLE'S LIVES BY BUILDING THE BEST DUST AND FUME COLLECTORS ON EARTH"

IMPERIAL SYSTEMS, INC.









POWDER COAT

First Round Baghouse to be Powder Coated

Scratch & Corrosion
Resistant

HEAVY DUTY

7 & 10 Gauge Construction

Military Grade Door Latches

EXACT PULSE

Auto Calibration of Filter Bag Alignment

Direct Pulse in Every Filter Bag

	DDE//MD	DDE//DA		
COMPARISON CHECKLIST	BRF//MP BAGHOUSE DUST COLLECTOR MEDIUM PRESSURE	BRF//RA BAGHOUSE DUST COLLECTOR REVERSE AIR	Leading Round Baghouse Dust Collector	Leading Square Baghouse Dust Collector
Sloped Roof	•	•	•	•
Powder Coated	•	•		
Self Cleaning	•	•	•	•
Exact Pulse [™]	•			
Auto-Calibrate	•			
Heavy Duty Construction 10 & 3/16 Gauge				
No Plant Compressed Air Required	•	•		
Direct Drive Shaft	•			
High Entry Option	•	•	•	•
Inlet Baffles	•			
Tangential Entry Option	•	•	•	
Perforated Cone	•			
Minimal Maintenance	•	•		
Custom System Design	•			
Tool Free Filter Change-out	•	•		
Most Energy Efficient				
ServiceMAXX Support	•	•		
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BRF BAGHOUSE APPLICATIONS

The BRF excels in this application, with options to handle all sizes and types of grain dust. BRF baghouses are found everywhere from small processing facilities to national grain handling terminals.

GRAIN INDUSTRY



The BRF baghouse efficiently handles dust from seed processing. BRF baghouses are designed to handle coarse, abrasive, or fine dust. The system can be customized for individual needs to target specific dust problems.

The BRF baghouse is popular for woodworking applications because of its durability and efficiency. With applications ranging from lumber mills to cabinet and flooring manufacturing, The BRF can handle your woodworking challenges.

WOODWORKING

RECYCLING

Whatever product you're recycling, the BRF baghouse has a solution for your dust collection. BRF baghouses are being used for recycling applications ranging from rubber to carpet, with options available for any recycling challenge.

Dust is probably being generated at lots of places in your feed manufacturing facility. A BRF Baghouse is the perfect piece of equipment for your facility. Feed is also a concern when it comes to combustible dust. **FEED**



from aggregate processing, you need a baghouse that has been proven to handle these challenges.

With an abrasive dust like silica, the BRF baghouse stands out for efficiency and endurance. With available options to provide abrasion resistance and a history of success in the silica handling industry, the BRF is the right dust collector for this application.

SILICA



SAFETY ACCESSORIES



A great option for fire and contaminated air diversion. The Abort Gate goes on the clean air return ductwork and protects workers and facility.



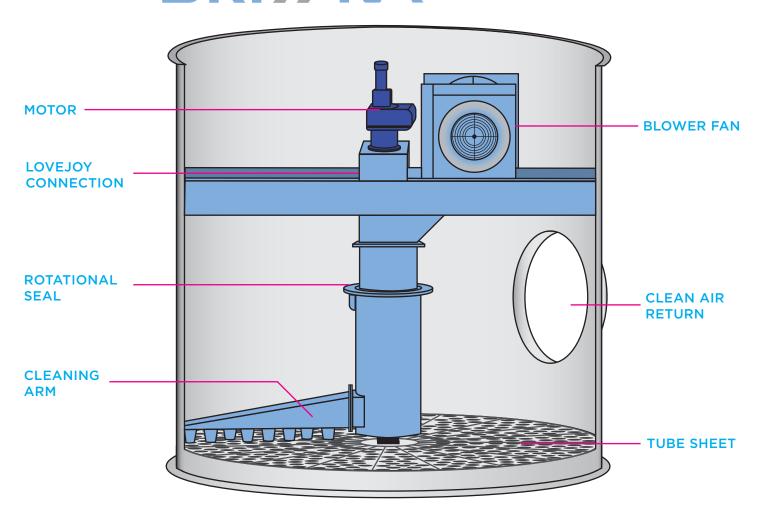
This is a must if you have combustible dust. The EIV will protect you from a back draft in case of a deflagration. This option gets installed on the dirty air ductwork.





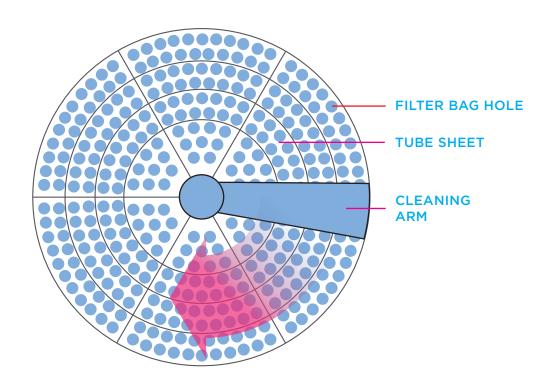


BRF//RA REVERSE AIR CLEANING SYSTEM

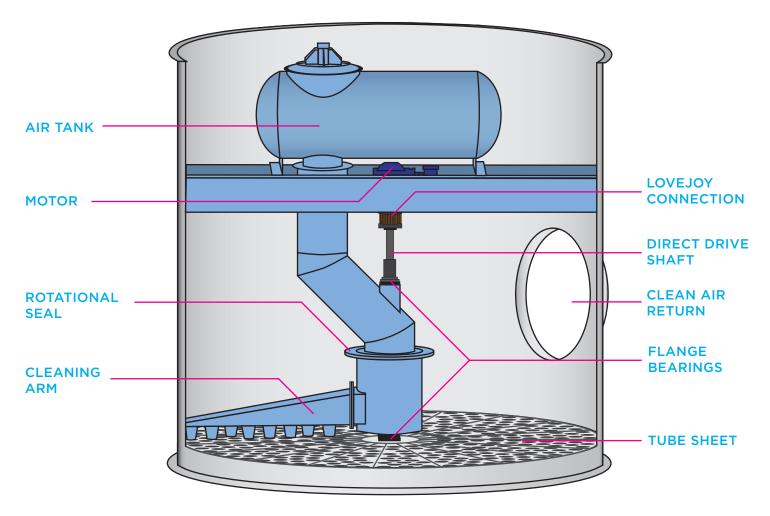


REVERSE AIR BAGHOUSE

The Reverse Pressure BRF is an all-purpose baghouse suitable for most materials. The filter bags are cleaned by a fan that rotates over them. One major advantage to our reverse pressure baghouse design is that unlike some other baghouses, the entire BRF can stay online while the filters are being cleaned. All the filters in the Reverse Air BRF are constantly in operation. Because our reverse air baghouse uses a fan for cleaning, it does not require any compressed air.

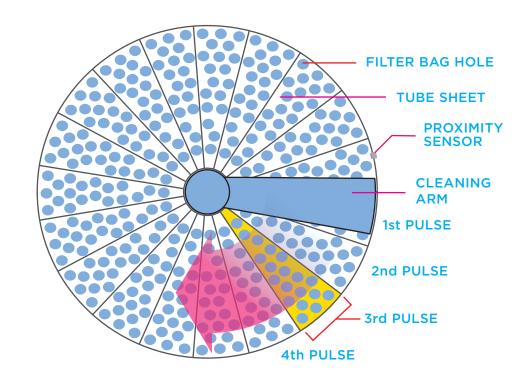


BRF// P MEDIUM PRESSURE CLEANING SYSTEM

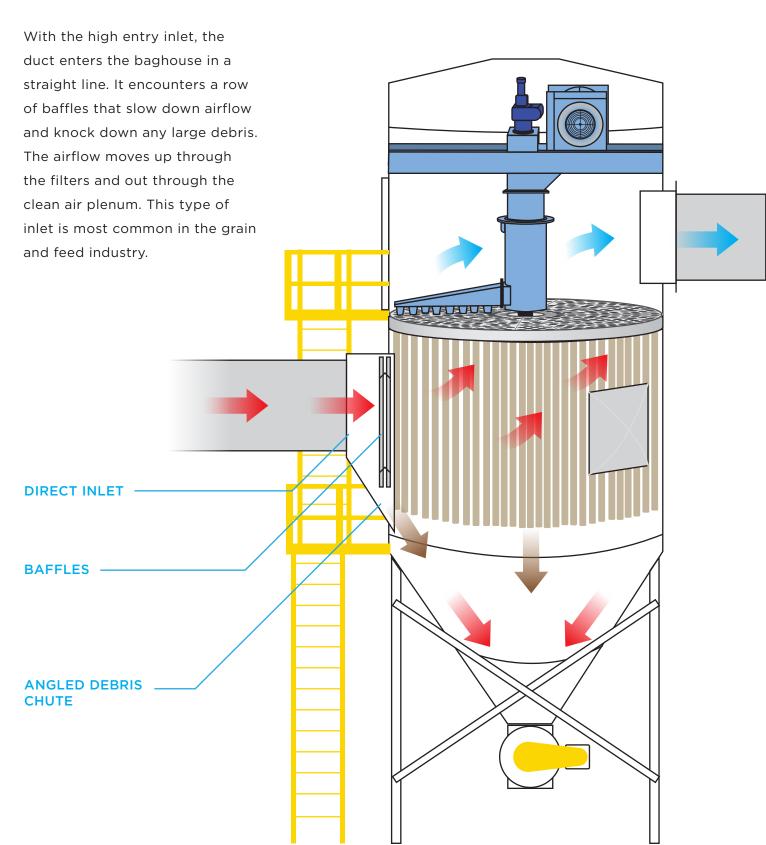


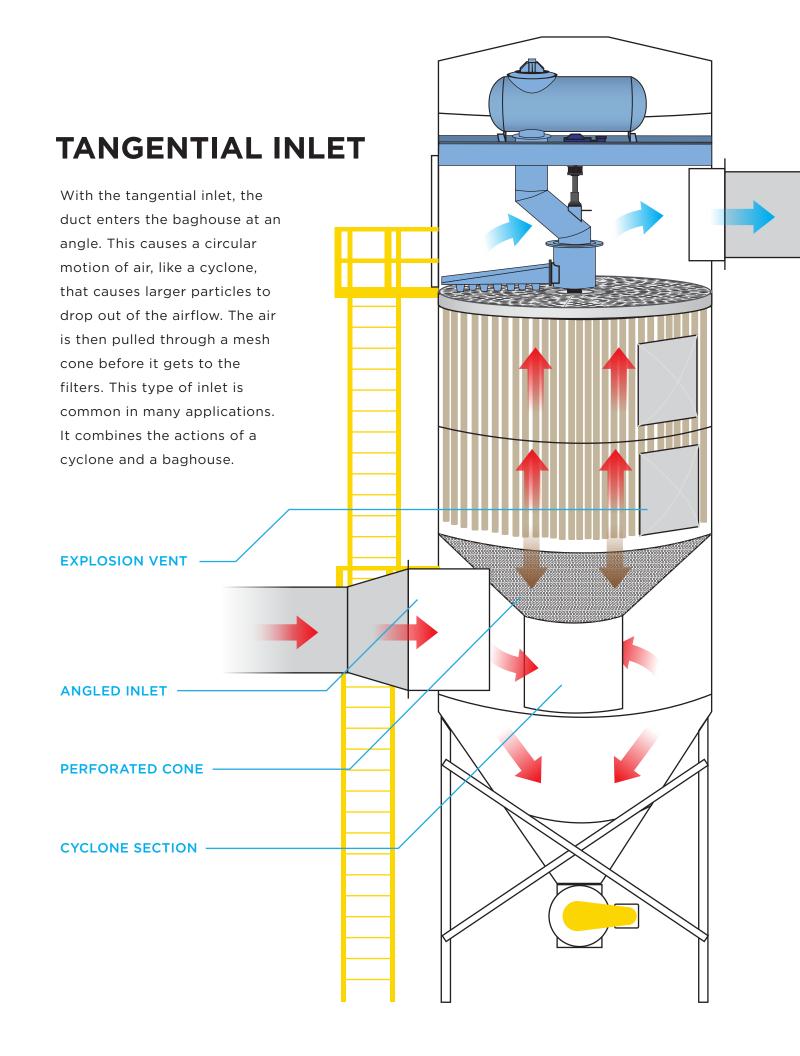
MEDIUM PRESSURE BAGHOUSE

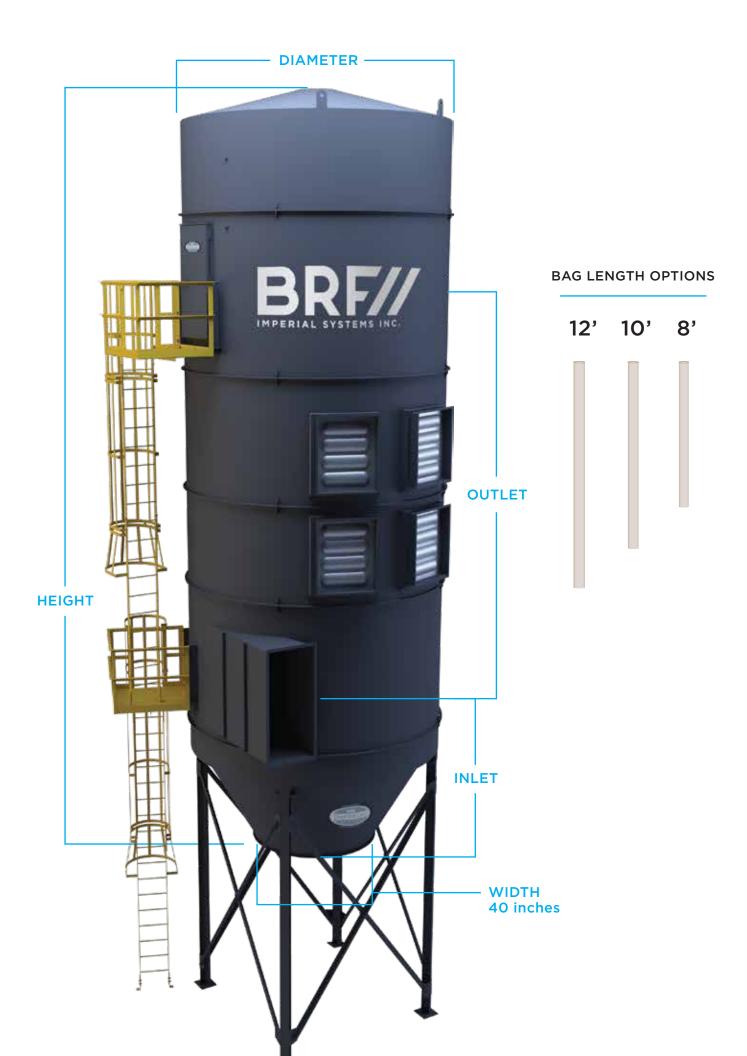
The Medium Pressure BRF uses its own compressor (positive displacement pump) to produce compressed air that pulses through the filter bags. A rotating arm is designed to make sure that every bag gets cleaned consistently. A proximity sensor ensures that the cleaning arm is in perfect alignment. Because the bags are cleaned with a pulse of compressed air, more dust is broken loose from the bag surface. One section of the tube sheet is pulsed per rotation. During the rotation the proximity sensor keeps the arm aligned for the next section to be Exact Pulsed.



HIGH ENTRY INLET





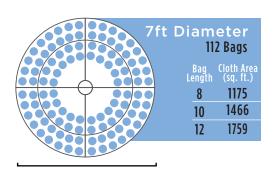


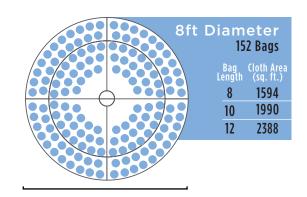


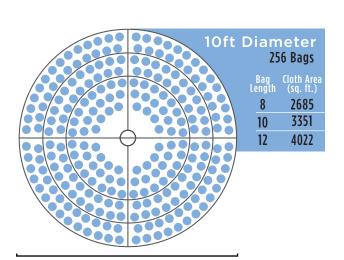


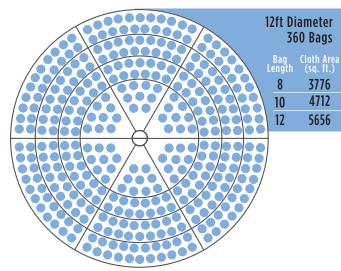
		Bag Length Options		Bag Length Options			
DIAMETER		12ft Bag	10ft Bag	8ft Bag	12ft Bag	10ft Bag	8ft Bag
7ft	WEIGHT (lbs)	8600	8000	7400	8800	8200	7600
	HEIGHT (in)	331	303	288	414	366	330
	OUTLET (in)	78	76	75	249	225	201
	INLET (in)	150	148	145	60		
	HP Req.	10hp blower		3hp PD pump			
8ft	WEIGHT (lbs)	9800	9200	8500	10000	9400	8700
	HEIGHT (in)	348	293	278	434	386	341
	OUTLET (in)	80	78	76	252	228	204
	INLET (in)	162	160	158	75		
	HP Req.		10hp blower		3hp PD pump		
10ft	WEIGHT (lbs)	13000	12100	11300	13200	12300	11500
	HEIGHT (in)	385	357	342	469	421	385
	OUTLET (in)	85	83	81	256	232	208
	INLET (in)	188	186	184	99		
HP Req.		20hp blower		5hp PD pump			
12ft	WEIGHT (lbs)	16400	15010	14200	16600	15210	14400
	HEIGHT (in)	421	392	376	501	453	417
	OUTLET (in)	89	87	84	258	234	210
	INLET (in)	213	210	208	122		
	HP Req.	25hp blower		5hp PD pump			
13ft	WEIGHT (lbs)	19299	17750	16700	19400	17950	16900
	HEIGHT (in)	438	409	392	520	472	436
	OUTLET (in)	91	88	85	261	237	213
	INLET (in)	225	223	220		135	
	HP Req.	25hp blower		5hp			
14ft	WEIGHT (lbs)	20600	19100	18000	20800	19300	18200
	HEIGHT (in)	457	428	361	539	491	455
	OUTLET (in)	94	91	88	264	240	216
	INLET (in)	238	236	233		148	
	HP Req.	30hp blower		5hp PD pump			

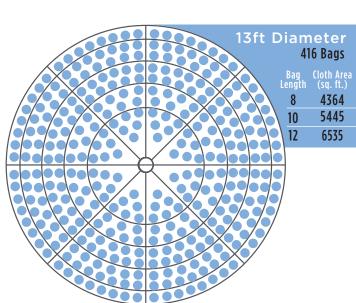
REVERSE AIR BAGHOUSE Tubesheet

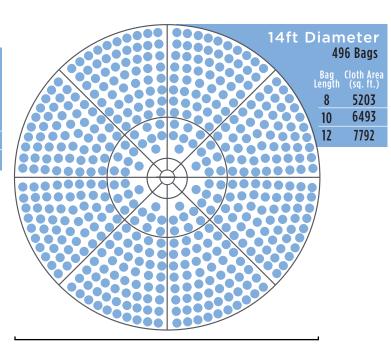




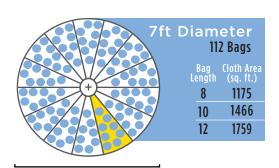


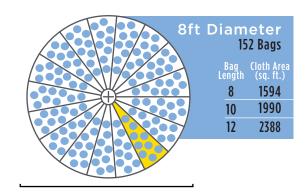


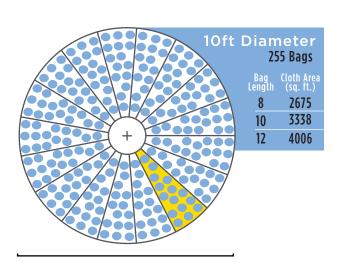


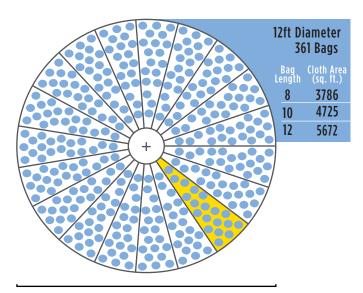


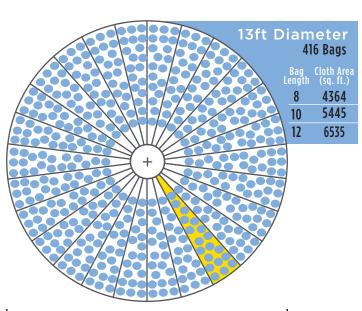
MEDIUM PRESSURE BAGHOUSE Tubesheet

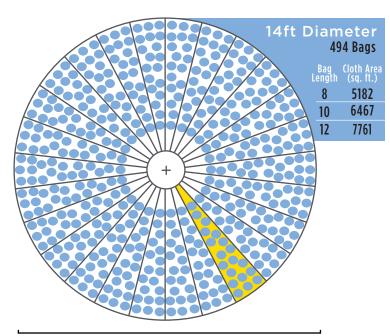














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