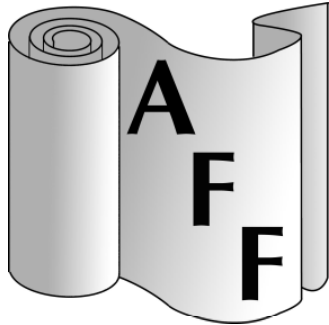


AMERICAN FABRIC FILTER



800-367-3591

DUST COLLECTOR BAGS

- ✓ **Optimum Performance**
- ✓ **Low Maintenance**
- ✓ **Custom Designs**
- ✓ **Cleaner Air**
- ✓ **Longer Life**
- ✓ **Economical**
- ✓ **Best Size & Fit**
- ✓ **Special Features & Accessories**



16 oz. Felt Optimized Commercial / Industrial bag shown
1 Micron Rated @ 1200 CFM

www.americanfabricfilter.com

FACTS ABOUT DUST COLLECTION

OVERVIEW

If your dust collector does a better job of distributing wood dust throughout your shop than actually collecting dust, a new dust bag could solve your problems. The woven fabric bags generally supplied by a machine's manufacturer are, at best, a compromise. Openings between the threads that are large enough to pass air efficiently also pass dust with equal efficiency. A tighter weave may trap smaller dust particles, but will also restrict airflow, creating backpressure and reducing suction substantially. The solution is to replace worn and ineffective OEM bags with larger, optimized felt dust bags.

INCREASING EFFICIENCY

The size of the breather bag is critical to your dust collector's performance. In an undersized bag (or typical OEM bag) the greater air pressure forces fine dust to penetrate the fabric's fibers causing "blinding" and preventing the free passage of air. In an optimized filter, however, the dust-laden air escapes over a sufficiently large surface area, allowing the dust to enter, slow down, and fall, rather than being driven into the fabric. By using the proper air-to-cloth ratio for your collector, it is possible to achieve filtration of dust particles down to 1 micron.

ADVANTAGE OF FELT FABRIC

For wood dust we most often recommend polyester felt with a singed finish. Felts are preferred for filtration due to their high breathability, fine particle separation, and excellent dust cake build/release properties. Singed felt allows a very thin layer of fine dust particles to collect and build on the surface of the bag. This "dust cake" then does the actual filtering of subsequent dust blown into the bag and prevents the bag from blinding. When the dust cake becomes heavy, it sloughs off the surface of the bag and leaves behind a thin layer to continue this self-cleaning process, thus the filter maintains high airflow and allows your collector to work at its full capacity.



Custom Designed "Sister" Bags

Disposable Plastic
Collection Bags

Side or Top Inlet
Cyclone Bags

1-Micron Filter Bags

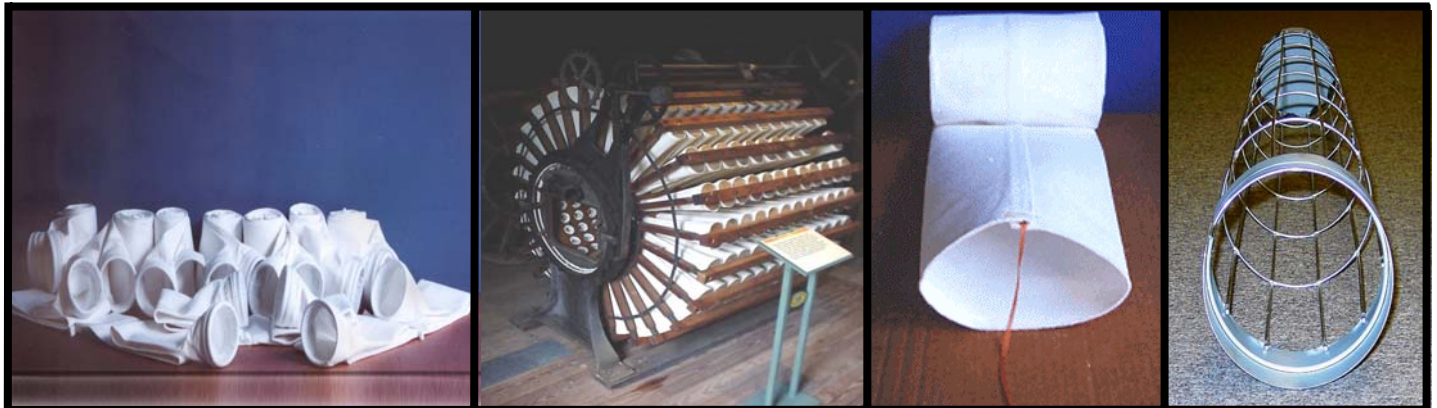
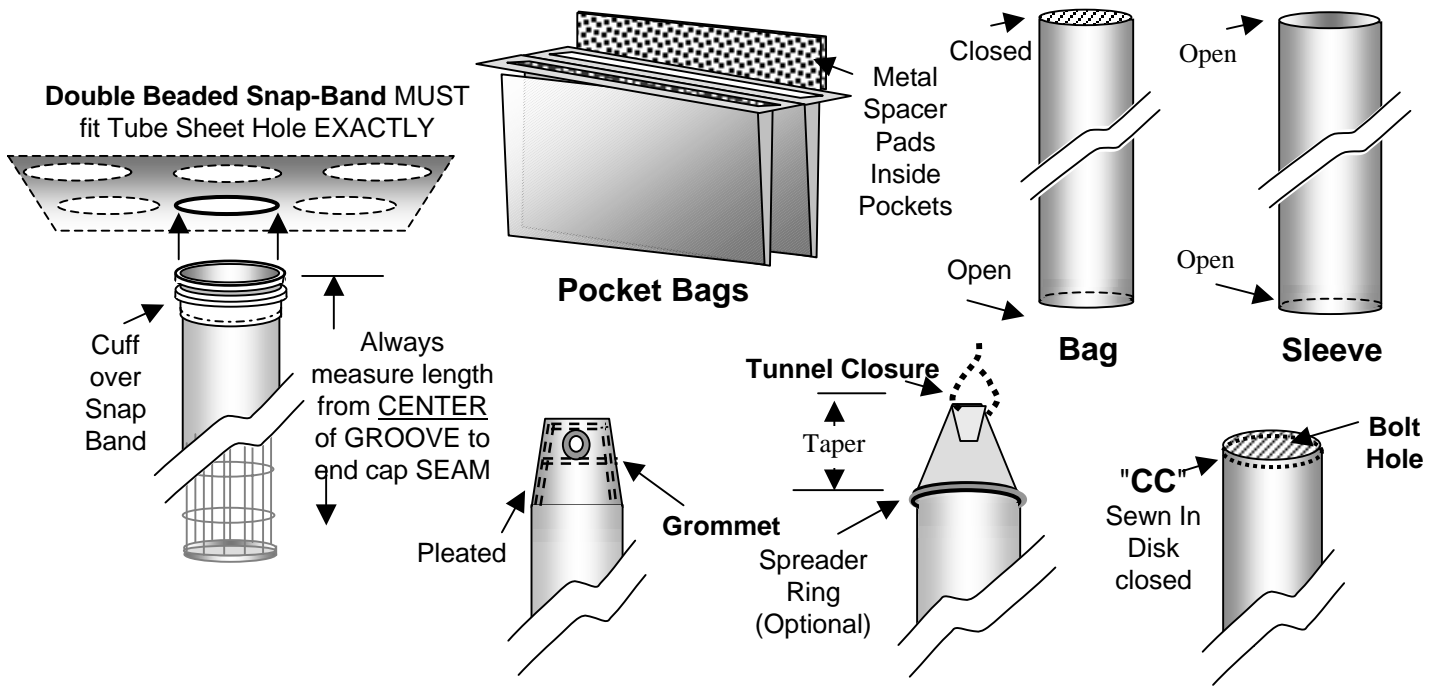
BAGHOUSE BASICS

OVERVIEW

Baghouses are classified by the method used to remove the dust from their filters. Although there are only three basic types of baghouses - shaker, pulse, and reverse air – there are hundreds of different styles of bags. Baghouse filters vary in diameter and length from manufacturer to manufacturer, and from model to model. Some bags collect dust on the inside, others the outside. Bags may be top loading or bottom loading. Bags may be placed over a cage, mounted in a plenum, or suspended from a hanger.

WHAT WE DO

Baghouse filters need periodic replacement to maintain top performance and **collectors depend on an exact fit to function properly**. AFF manufactures all styles of replacement filters from a selection of fabrics suited to address specific applications. The diagrams below show just a few of the variations found in baghouse filters. We can cross reference most filters or duplicate your sample to provide an exact match on baghouse filters.



OEM Replacements

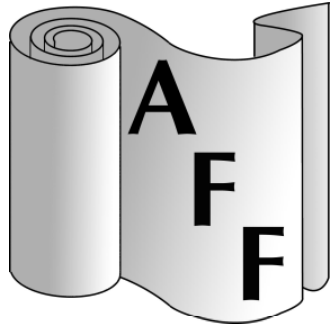
Discontinued Models

Heat Welded Seams

Cages

Proudly Made In the USA

AMERICAN FABRIC FILTER



800-367-3591

BAGHOUSE BAGS

✓ Optimum Performance

✓ All Styles

✓ Specialty Fabrics

✓ Cleaner Air

✓ Custom Solutions

✓ Economical

✓ Technical Assistance

✓ Special Features & Accessories

AMERICAN FABRIC FILTER CO.

www.americanfabricfilter.com



CUSTOMIZING YOUR FABRIC FILTERS

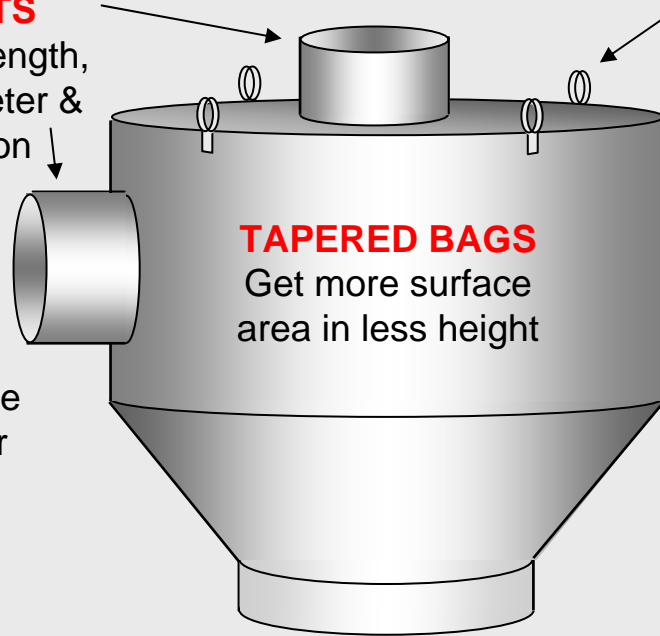
Common Options For Healthier Breathing, Cleaner Workshops and Convenient Dust Control

USEFUL FACTS:

Open both ends = SLEEVE
Closed One or Both Ends = BAG
Open End can be Up or Down
You specify size, quantity & placement

INLETS

Any length, diameter & location

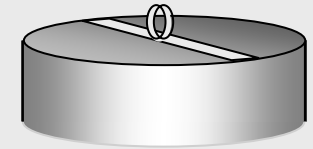


TAPERED BAGS

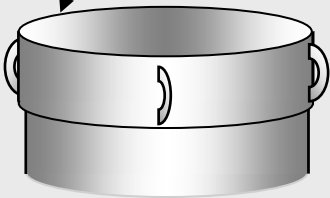
Get more surface area in less height

HANGING LOOPS

Around edge of tops
Reinforced in Center

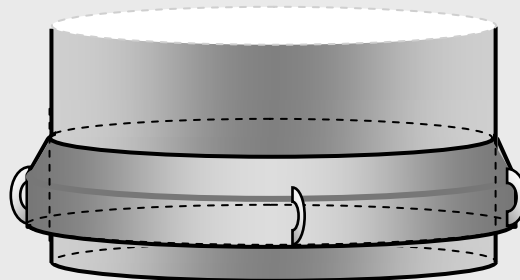


HEMS (req'd for woven fabrics)



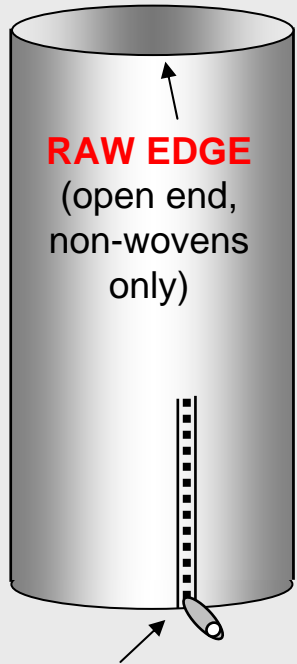
BELT LOOPS

Holds clamp while hanging bag over flange or drum



RAW EDGE

(open end, non-wovens only)



SKIRT

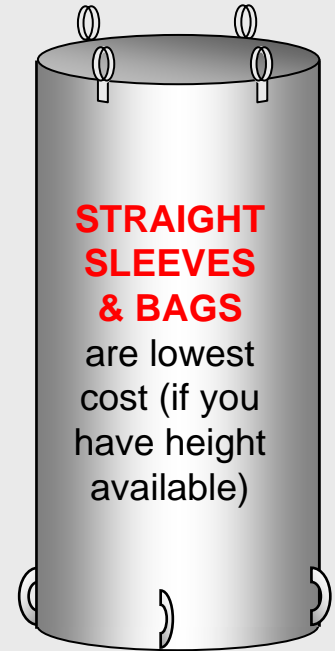
Bag / Sleeve (and dust) goes inside drum. Skirt is clamped over outside



Your Collection Drum

STRAIGHT SLEEVES & BAGS

are lowest cost (if you have height available)

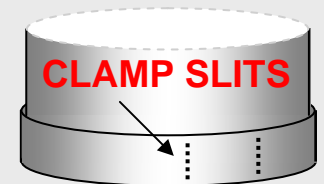


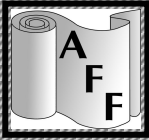
HD ZIPPER w/flap inside
(side, bottom or top)

Polyester (PE) Felts

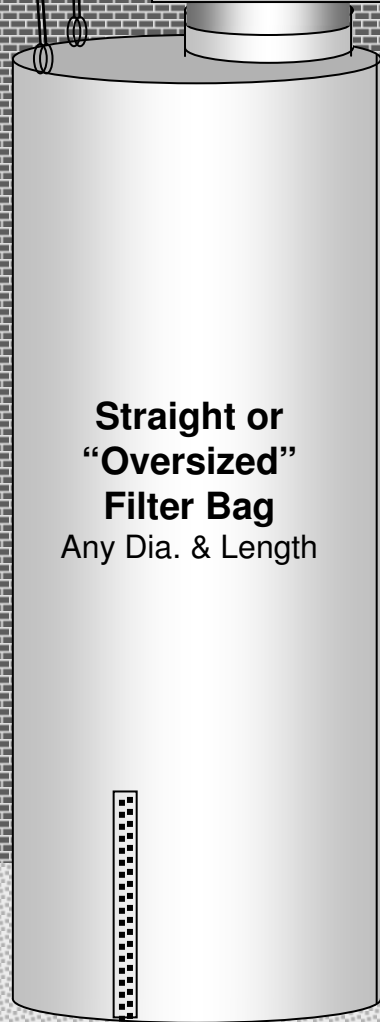


CLAMP SLITS

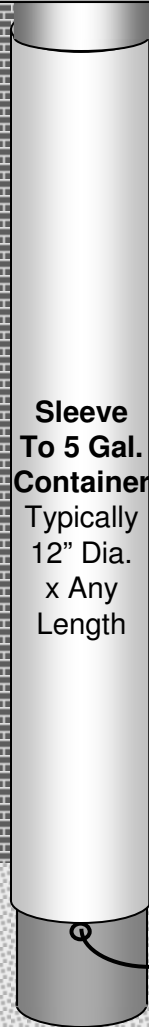




AFF Plenum Bag & Sleeve Styles



**Straight or
"Oversized"
Filter Bag**
Any Dia. & Length



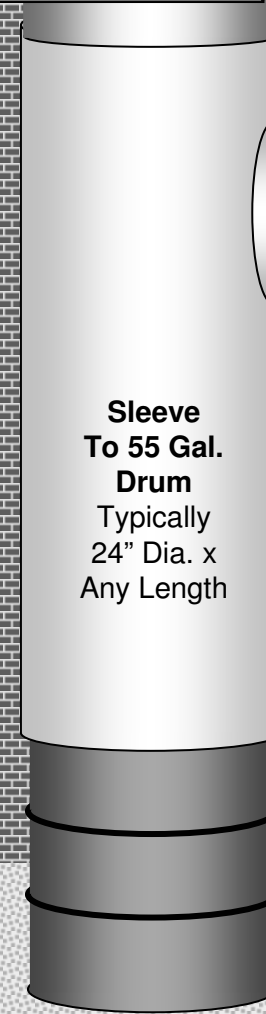
**Sleeve
To 5 Gal.
Container**
Typically
12" Dia.
x Any
Length



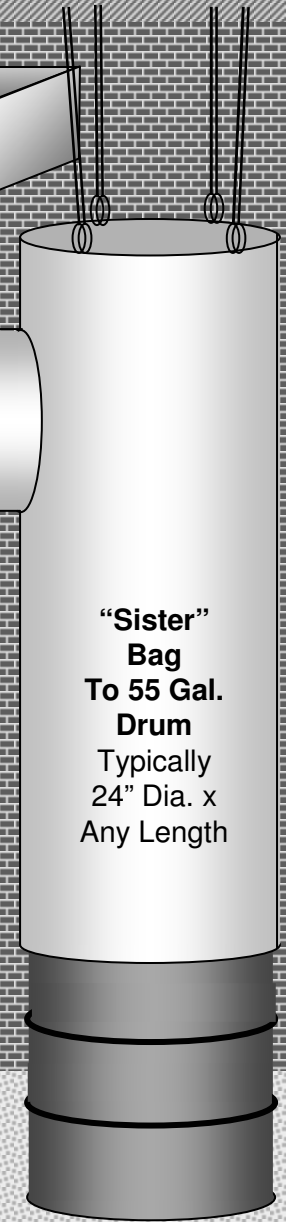
**Sleeve
To 55 Gal.
Drum**
Typically
24" Dia. x
Any Length



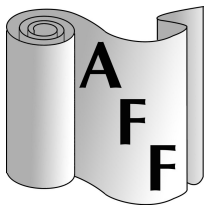
**Sleeve
To Dust
Bin**
Any Dia.
x Any
Length



**Sleeve
To 55 Gal.
Drum**
Typically
24" Dia. x
Any Length



**"Sister"
Bag
To 55 Gal.
Drum**
Typically
24" Dia. x
Any Length



SIZING DUST COLLECTOR BAGS FOR MAXIMUM EFFICIENCY

1. Determine CFM of dust collector.

2. Select best bag size from chart.

Many factors affect the performance of your shop's dust collection system. They include horsepower of the motor, fan design, duct lengths, branches and bends, collection containers, and air filtration bags. Of all these items, replacing original woven cloth bags with new felt bags is by far the most immediate and cost-effective way to improve system performance as well as workshop air cleanliness. Follow the steps below to find what you need.

Charts below are for high airflow 10 oz. Shaker Felt, singed on one side. If using your fan's maximum CFM rating, read off the maximum chart. Use the lower chart for "under load" CFM calculations. **Always select a size with at least 50% to 100% extra capacity to minimize backpressure and help disburse dust-laden air.**

Calculations and specifications are approximate. Results may vary under actual working conditions. For commercial applications use heavier 12 oz. and 16 oz. felts and design systems for 10 (or less) CFM per square foot.

- Dust collector brand & model: _____ Size of output fitting : _____ Dia / Circ / Flat Width
- Rated output: _____ CFM (max) _____ CFM (under working load) Type of dust: _____
- Is your bottom bag (the collector) felt? **NO.** All air will exit through top bag(s). **YES.** It's part of my system. Add in its size and CFM also, then reduce its value by 50% to account for any losses due to full bag.
- If same bag used for both filtration and collection, reduce value by 50% to account for loss due to dust in bag.
- Size restrictions (low ceiling, output-to-floor distance, support hook height, etc.)? _____

55 CFM/SQ FT - MAXIMUM AIRFLOW CONDITIONS

DIA. (IN.)	LENGTH (FEET)											
	2	3	4	5	6	7	8	9	10	11	12	
10	318	462	606	750	894	1038	1182	1326	1470	1614	1758	
12	389	562	734	907	1080	1253	1426	1598	1771	1944	2117	
14	462	664	865	1067	1268	1470	1671	1873	2075	2276	2478	
16	538	768	998	1229	1459	1689	1920	2150	2381	2611	2841	
18	616	875	1134	1393	1652	1911	2171	2430	2689	2948	3207	
20	696	984	1272	1560	1848	2136	2424	2712	3000	3288	3576	
24	864	1210	1555	1901	2246	2592	2937	3283	3629	3974	4320	
36	* 1426	* 1944	* 2462	* 2981	* 3499	* 4017	* 4536	* 5054	* 5572	* 6091	* 6609	
48	* 2073	* 2765	* 3456	* 4147	* 4838	* 5529	* 6220	* 6912	* 7603	* 8294	* 8985	

EXAMPLE:

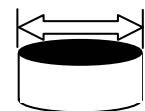
XYZ-brand dust collector, with an 20 in. dia output fitting, is rated at 800 CFM maximum and 500 CFM working (under load). Its collector is a 55 gal drum, so all air exits through the top bag. Look for a bag that will handle 1200 to 1600 CFM maximum, or 750 to 1000 CFM working (under load) output. From these charts we find the bag should be 20 in. in diameter by 4 to 5 ft. long.

40 CFM/SQ FT - HEAVY WORKING CONDITIONS

DIA. (IN.)	LENGTH (FEET)											
	2	3	4	5	6	7	8	9	10	11	12	
10	231	336	441	545	650	755	860	964	1069	1174	1278	
12	283	408	534	660	785	911	1037	1162	1288	1414	1539	
14	336	483	629	776	922	1069	1216	1362	1509	1655	1802	
16	391	559	726	894	1061	1229	1396	1564	1731	1899	2066	
18	448	636	825	1013	1202	1390	1579	1767	1956	2144	2333	
20	506	716	925	1134	1344	1553	1763	1972	2182	2391	2601	
24	628	880	1131	1382	1634	1885	2136	2388	2639	2890	3142	
36	* 1037	* 1414	* 1791	* 2168	* 2545	* 2922	* 3299	* 3676	* 4053	* 4430	* 4807	
48	* 1508	* 2011	* 2513	* 3016	* 3519	* 4021	* 4524	* 5027	* 5529	* 6032	* 6535	

3 Ways to Determine Bag Size

DIAMETER



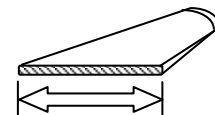
Measure across outside of output

CIRCUMFERENCE



Measure around outside of output

FLAT WIDTH



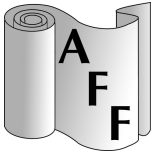
Fold old bag flat. Measure full width

FYI

Circumference divided by 3.14 (Pi) equals the Diameter

Flat Width equals one-half the Circumference.

* Call for quotes on larger sized bags.



WE WILL CUSTOM DESIGN YOUR DUST COLLECTOR BAGS

AMERICAN FABRIC FILTER CO.

P.O. Box 7560

Wesley Chapel, Florida 33545-0110

(800) 367-3591 Fax (813) 991-9700

BUT BEFORE YOU CALL, PLEASE...

...have the following information on your dust collector system ready

Your AFF Rep: _____

1. Type of Collector: Single Stage Drum Top Cyclone Bag House Other
2. Dust collector brand & model: _____
3. Number of breather/filter bags _____ + collector bags _____ = total _____ bags.
4. Describe your current bags _____
5. Rated system or fan output: _____ CFM at _____ in. W. C. static pressure
6. Type(s) of dust: _____
7. Size of output rim (A) to filter bag _____ in. Dia. Circ. Current Bag Flat Width
8. Total unobstructed distance from top of output rim to ceiling, rafters, etc. (B) _____ in.
9. How much side clearance? _____ in. If multiple bags, distance between them _____ in.
10. Is collector (bottom) bag output rim the same diameter? Yes No N/A .
11. Distance between bottom of output and base (C) _____ in.
12. Do you prefer heavy duty plastic bags, or reusable fabric collector bags?
13. Is the collector stationary or moved from tool to tool?
14. Do you want to use a barrel or bucket to collect dust and chips? Yes No
15. If so, what is container's height _____ in. and outside dia. _____ in.
16. If overhead plenum, measure distance from plenum to floor or container _____ in.
17. Add a side or top inlet located _____ in. from _____ to _____
18. Inlet dia. _____ in. x length _____ in?
19. How many band clamps do you need? _____ Dia. _____ Belt or Hanger Loops _____?
20. Other Add-Ins (Snap Bands, Grommets, Rings, etc.) _____



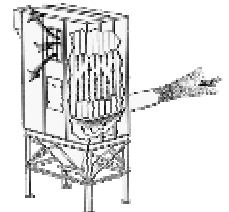
Single Stage



Drum Top



Cyclone



Baghouse

21. How soon do you need these items? _____

Name _____

Address _____

Phone (_____) _____

Fax (_____) _____

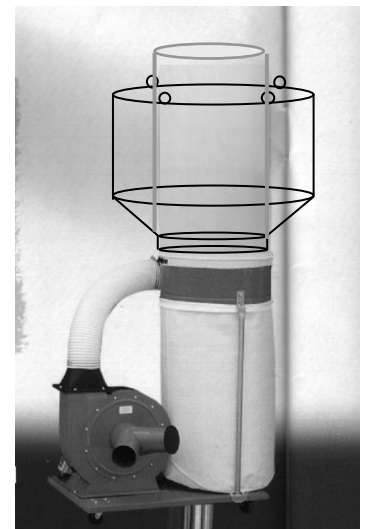
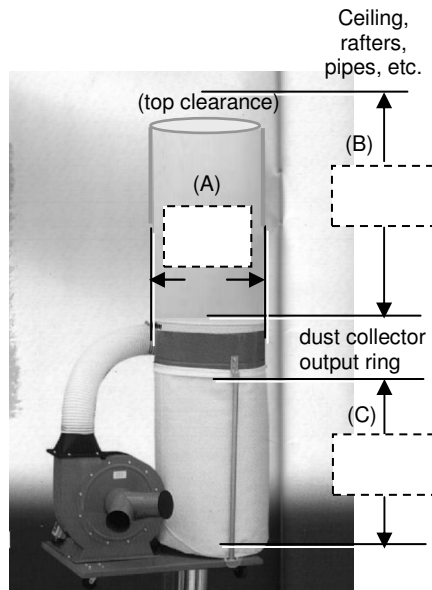
E-Mail _____

Notes _____

We accept MasterCard, Visa & Discover.

LOW CEILING?

Typical tapered bag solution for a high efficiency system with low overhead clearance

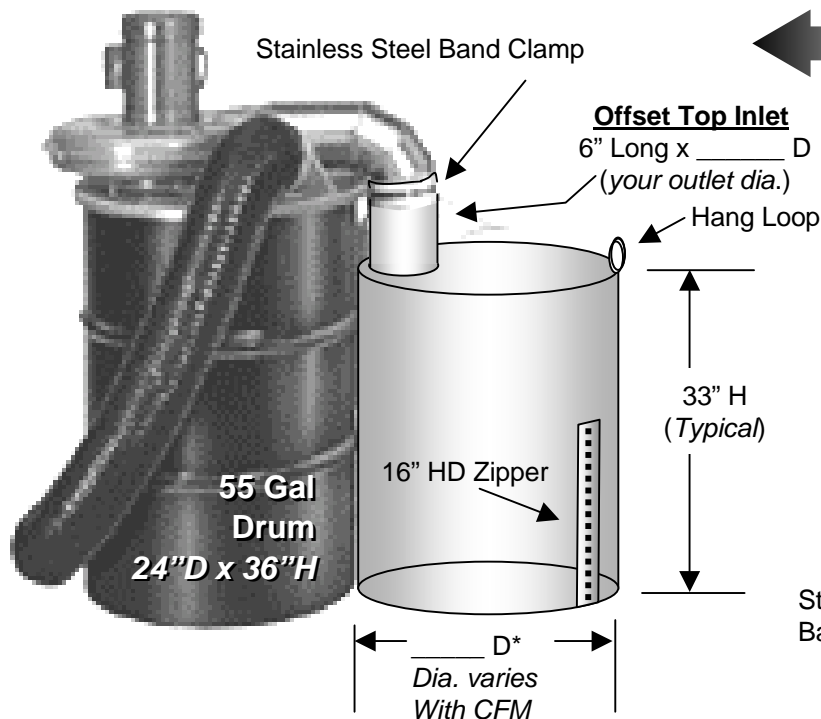


AFF DRUM TOP DUST COLLECTOR BAGS

10 oz. Shaker Felt, Singed Inside 2011 Price List

Maximize the performance of your small or mid-sized container-topped dust collector with an AFF oversized filter bag -- the most cost-effective way to increase suction and reduce the amount of dust in your shop. Replace that ineffective 30 micron woven cloth filter bag with our singed felt bag and get enough fabric surface area to exhaust all the air (CFM) without producing back-pressure. Regain maximum fan output and still contain virtually all the finest dust. All bags listed here are rated for twice the fan CFM and will continue providing great suction and very fine dust filtration even after the fabric gets dirty.

American Fabric Filter Co. custom makes bags of all sizes and shapes. Years of experience have taught us that the designs suggested here work best for general applications. **For commercial duty applications, we strongly recommend using 12 oz. and 16 oz. felts and making the bag one and two sizes larger respectively.** Please call us to discuss your specific needs.

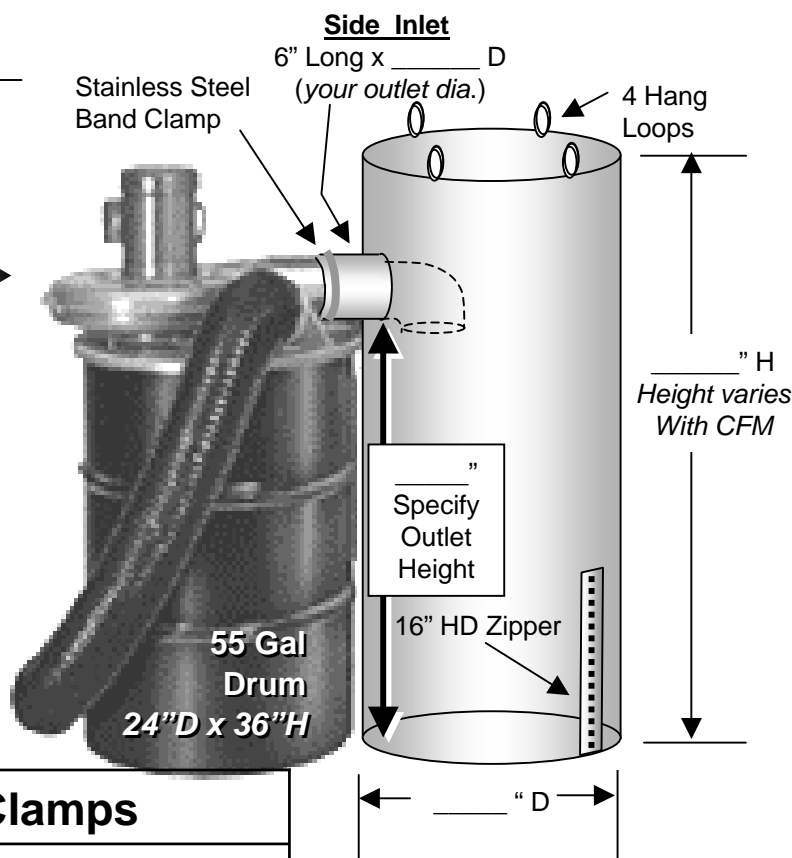


Smaller Systems

MOTOR H.P.	FAN CFM	BAG SIZE	2011 PRICES
1/3	335	20"D x 24"H	\$ 84.74
1/2	450	22" D x 33"H	\$ 88.90
3/4	580	25" D x 33"H	\$ 92.43
1	700	29" D x 33"H	\$ 97.23
1-1/2	875	35" D x 33"H	\$ 107.18

Larger Systems

MOTOR H.P.	FAN CFM	BAG SIZE	2011 PRICES
1	700	22"D* x 48"H	\$ 104.94
1-1/2	875	24"D x 54" H	\$118.93
2	1100	24"D x 72" H	\$ 126.26
3	1300	24"D x 84" H	\$ 132.09
2hp/16 oz 3hp/12 oz		30"D x 79" H	\$ 151.11
3 hp/16 oz		36"D x 79" H	\$ 186.69

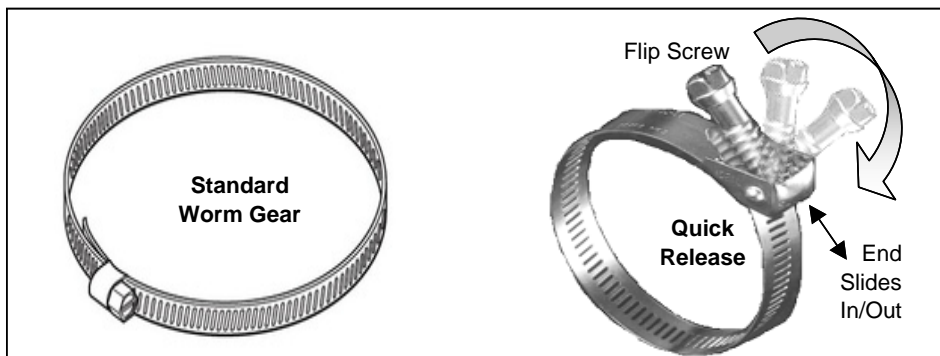


Optional Blower Output Band Clamps

4" Dia. @ \$ 4.00 ea.	6" Dia. @ \$ 5.00 ea.	10" Dia. @ \$ 7.00 ea.
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AMERICAN FABRIC FILTER

2011 HOSE CLAMP & POLY BAG PRICE LIST



STOCK / INVENTORY ITEMS

PART NUMBER PRICES
01/01/11

STANDARD SPIRAL "HOSE" CLAMPS

(2-1/8 ~) 4 in. dia	6356	\$4.00
(1-3/4 ~) 24-1/4 in. dia	63380	\$13.00

SNAPLOCK QUICK RELEASE SPIRAL "HOSE" CLAMPS

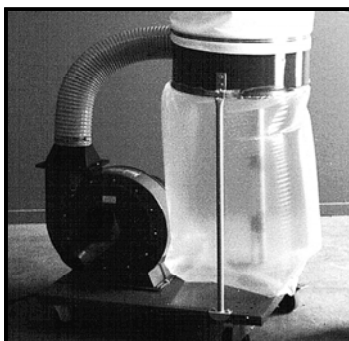
(2-1/2 ~) 6 in. dia	5888	\$5.00
(2-1/2 ~) 10 in. dia	58-152	\$7.00
(2-1/16 ~) 12 in. dia	58-188	\$8.00
(10-3/16 ~) 14 in. dia	LSS216	\$9.00
(1-3/4 ~) 16 in. dia	550-248	\$10.00
(2 ~) 21-1/4 in. dia	56332	\$11.50

(M17) Foam Tape, Self Adhesive, Black 1-1/2" W x 1/4" Thick	Per FT	\$2.00	\$1.50 Ft w/order
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Call for Quantity Prices on Clamps

NEW! 12" Dia. Connector Ring Set NEW!

Use to connect separate Sister Bags for easier installation or to replace one worn or damaged bag in a good set.



12" Dia x 4" L Alum. Ring + (2) S/S Clamps **\$41.50**

POLY BAGS, ROLLS OF 50

6 Mil, fits up to 21 in. dia x 50 in. L, 50 ct	(\$2.50 ea.)	21DX50	\$76.00
6 Mil, fits up to 24-1/2 in. dia x 72 in. L, 50 ct	(\$4.50 ea.)	24-1/2Dx72	\$119.00

All prices subject to change without notice. Call for special quantity pricing.