

Mac PowerHouse (MPH)[®] Baghouse

- Meet air quality standards year after year with minimal maintenance
- Low pressure/high volume cleaning mechanism incorporates a centrifugal fan to produce the bag cleaning air
- Centrifugal fan blows continuously into a rotating arm passing over bags
- No timing mechanism required



Application

The MPH is built to handle fine particulates and heavy dust loads. MPH filters come in sizes and configurations to fit most industrial air quality control applications – from grain, flour and wood dust to coal, rock mineral and chemical fines.

Equipment

The MPH is fabricated from carbon steel and includes a walk-in plenum with a hinged and gasketed service door, tangential inlet or high entry inlet with bag protector baffles, and a 60° conical hopper with a 40" diameter flanged discharge.

The MPH filter is available in five housing diameters. The MPH112 thru MPH416 units are available in either full-welded or flanged styles of construction. The MPH494 is available as a full welded unit only, and cannot be flanged because of shipping limitations.

Our specially outfitted tractor-trailer can transport all components to your construction site in flanged or fully welded form, ready to erect. Installation can normally be completed in one or two

days by your work crew or contractor. Coperion can also provide turnkey setup.

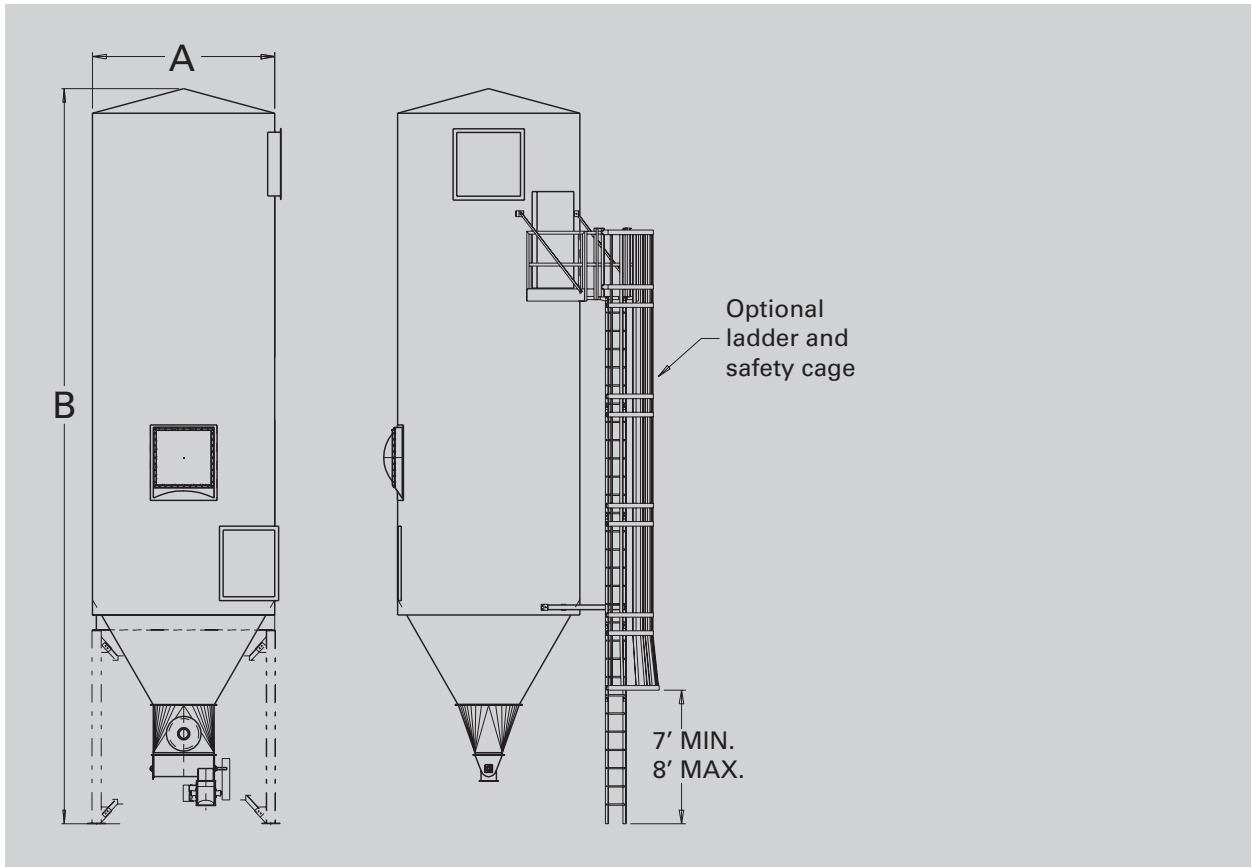
Operating Principle

The MPH Reverse-Air System achieves exceptionally uniform media cleaning. Coperion's proprietary pie-shaped air distribution arm cleans every bag the same number of times in each rotation – unlike other bag cleaning filter designs which needlessly clean the inside rows of bags with more air than the outside rows, resulting in wasted energy and uneven bag/cartridge wear.

Computer-designed bag spacing creates lower average internal air velocities and further promotes cleaning efficiency. The use of round filter bags, instead of the oval bags found on other collectors, also contributes to even cleaning.

The fan blows directly into a rotating cleaning arm that passes over the filter bags. The fan and the gear drive that rotates the cleaning arm both employ explosion proof motors. Filters are designed for 20" W.C. and a maximum operating temperature of 104° F.

Dimensions



Model	Sq. Ft. Cloth	Dimensions (inches)	
		A	B
96MPH112	1070	84	390-1/4
120MPH112	1341		435-1/4
144MPH112	1613		486-1/4
96MPH153	1462	96	450-3/16
120MPH153	1832		450-3/16
144MPH153	2204		502-3/16
96MPH255	2437	120	438-1/4
120MPH255	3054		484-1/4
144MPH255	3674		537-1/4
96MPH361	3451	144	469-1/4
120MPH361	4324		517-1/4
144MPH361	5202		570-1/4
96MPH416	3976	156	485-1/8
120MPH416	4983		533-1/8
144MPH416	5994		584-1/8
96MPH494	4722	168	501-1/8
120MPH494	5918		550-1/8
44MPH494	7118		604-1/8

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