

TECHNICAL DATA

AerPro™ HFC SERIES **HORIZONTAL FILTER COLLECTORS**

**IMPROVE WORKING & SAFETY CONDITIONS
BY REMOVING IN-PLANT AIRBORN
CONTAMINANTS FROM: BRAZING – FUMES – MACHINING OIL MIST – ODORS –
MIGRANT DUST – WELDING**

Industry plays a key role in keeping the work environment safe, clean and healthy. The HFC Series provides a modular filter selection to solve a particular application. The HFC Series can function as a source capture filter unit (add inlet plenum) or free hanging filter for various airborne problems. Brazing, toxic stainless steel welding, rubber machining, grinding, gluing, soldering, laser marking and cutting, paper, wood, vapors and solvents are many of the contaminants that can be removed by one or multiple filter modules.

Strength and quality come by way of an all 14 gauge construction cabinet inside and out with standard direct drive backward inclined fans. Fugitive dust, mist, smoke and odors can be effectively removed and cleaned with the AERPRO HFC Series.



To the left is a Model HFC-6000 complete with inlet plenum, triple pre-filter module, main filter module and blower module on a wet grinding application.

To the right is Model HFC-6000HS5 complete with inlet plenum, HEPA module, blower, and silencer to solve problems from hand plasma cutting. Note retractable canopy.



Each AerPro distributor has an average of 15 years of experience in solving indoor air quality problems, therefore it is always best to consult with your local AerPro distributor. Below is a guide for filter selection

Triple Track Pre-filter Module -

- 1.** Use Impinger(s) 4" chevron style mist eliminator when a heavy concentration of mist is present. AERPRO's design permits washing with power-wash or steam without blowing out chevrons (refer to VOMC Series).
- 2.** Use washable PolyPad(s) 4" polyester pad(s) for dust, mist, and sticky contaminants. With mist, the PolyPad acts as a coalescer, thereby reducing the load on the main filter.
- 3.** Use Multi-vee(s) 4" synthetic (30%- 50% efficient) are used for light mist, dust and sticky contaminants. Multi-vees are inexpensive and disposable. You select the best combinations for your application.

Main Filter Module – The 95% efficient (ASHRAE 52-76) micro-glass Vee-bag(s) is commonly referred to as the universal filter. It functions extremely well for dust, mist, fumes, and light smoke. Flow rates and pre-filter selection can add significant life to the filter. Other main filter styles include new high-flow synthetic media.

HEPA Module - The HEPA module is an absolute, disposable, final filter for the removal of smoke and fumes. It is mandatory when recycling air that has lead contaminants such as buffing bronze or certain types of solder. There are two types of final filters available: 99.97% at 0.3 microns or the 95% DOP tested filter. The module comes standard with a 4" Multi-vee pre-filter.

Carbon Module - The Carbon Module removes gases, odors and vapors from solvents to plastic off gases. It features removable trays that can be filled with either activated carbon or potassium permanganate.

Blower Module – Although this is not a filter, it pulls the air through the filter(s). The direct drive system offers the highest reliability and lowest maintenance possible. Choosing the correct blower will enhance filter performance a filter life.

AERPRO™

SERIES	HFC 3000	HFC 6000	HFC 12000
Nominal Air Flow CFM	1000* - 3000	2000* - 6000	4000* - 12000
**Inlet Plenum	P3000	P6000	P12000
Size & (Weight in lbs.)	19 x 22 x 18H (40)	46 x 19 x 18 H (60)	46 x 38 1/2 x 18 (90)
Triple Track Pre-filter Section (less filters)	T3000	T6000	T12000
Size & (Weight with (3) impingers in lbs.)	24 1/2 x 26 1/2 x 17 1/4 H (150)	47 1/2 x 26 1/2 x 17 1/4 H (270)	47 1/2 x 50 x 17 1/4 H (520)
Main Filter Module w/ 95% Polyester Bag	M3000	M6000	M12000
Size & (Weight in lbs.)	24 1/2 x 26 1/2 x 39 H (120)	47 1/2 x 26 1/2 x 39 H (210)	47 1/2 x 50 x 39 H (400)
***HEPA Module	H3000	H6000	H12000
Size & (Weight with filters in lbs.)	24 1/2 x 26 1/2 x 23 1/2 H (138)	47 1/2 x 26 1/2 x 23 1/2 H (220)	47 1/2 x 50 x 23 1/2 H (410)
Carbon Module	C3000	C6000	C12000
Size & (Weight with carbon trays in lbs.)	24 1/2 x 26 1/2 x 28 H (210)	47 1/2 x 26 1/2 x 28 H (370)	47 1/2 x 50 x 28 H (720)
Motor/Blower Module dBA Std. (w/silencer)	(HP)	(HP)	(HP)
3 HP, 3 PH, 50-60 HZ Direct Drive 78 (67)	Standard	Optional	NA
5 HP, 3 PH, 50-60 HZ Direct Drive 83 (70))	Optional	Standard	NA
7.5 HP, 3 PH, 50-60 HZ Direct Drive 87 (77)	NA	Optional	Standard
10 HP, 3 PH, 50-60 HZ Direct Drive 88 (78)	NA	NA	Optional
15 HP, 3 PH, 50-60 HZ Direct Drive	NA	NA	Optional
Blower module size & (weight in lbs.)	21 x 25 1/2 x 26 H (215)	21 x 25 1/2 x 26 H (400)	42 x 36 x 30 H (550)
FILTERS	Number of Filters Req'd.	Number of Filter Req'd.	Number of Filter Req'd.
24 X 24 X 4 Heavy Duty Impingers	1	2	4
24 X 24 X 4 Polyester Pad	1	2	4
24 X 24 X 4 Multi-vee (28 ft²)	1	2	4
24 X 48 X 4 Multi-vee (56 ft²)	NA	1	2
95% Polyester Vee-bag	1	2	4
95% Glass Vee-bag	1	2	4
24 X 24 X 12 HEPA (99.97% @ 0.3)	1	2	4
24 x 24 x 12 (95% DOP)	1	2	4
Carbon Filled Trays	12	24	48
OPTIONS:			
Silencer	20 1/4" x 20 1/4" x 12" Long	22 3/4" x 22 3/4" x 12" long	Contact factory
Floor Stand	Contact factory	Contact Factory	Contact factory
Additional Inlet Collars			
ACCESSORIES			
Drain Bottle - 32 OZ.	Y	Y	Y
Drain Bottle - 128 OZ.	Y	Y	Y
Second Magnehelic Gage	Y	Y	Y
200 LBS. Carbon Drum	X	X	X

* Recommended airflow when using carbon module. ** Inlet plenum will be supplied with one collar, you must provide sketch of location or inlet plenum will be shipped without. ***HEPA Module comes standard with 4" Multi-vee.

HOW TO ORDER - Begin with the Series Model followed with the letter(s) of the corresponding module and end with the actual HP of model.

Ex. #1- If you want inlet plenum with HEPA and 3 HP blower for HFC 3000 series, the model would be HFC3000PH3. Plus list of the filters to be installed.

Ex. #2- If you want inlet plenum with triple stage pre-filter, main filter, and 5 HP blower for HFC 6000 series, the model would be HFC6000PTM5. Plus list of the filters to be installed.

Ex. #3- If you want inlet plenum, dual or (2) sets of triple stage pre-filters, main filter, HEPA, Carbon and 7.5 HP blower for the 6000 series, the model would be HFC6000PTMHC7.5. Plus filter list..

Ex. #4- If you want Carbon and 3 HP blower from 3000 series, the model would be HFC3000C3. (This has no inlet plenum.)

AerPro has been manufacturing quality air products for over 10 years and its products are sold and serviced by the best and most experienced distributors throughout North America and the Far East. Other quality AerPro products and services include the 350-12,000 CFM VOMC Oil Mist Collectors, 500-1000 CFM machine mounted mist collectors the 800-1500 CFM shaker bag dust collectors, SB-800 DT downdraft table, & the WetAer wet dust collector series.

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