



# Cannabis HVAC Filtration



# HEGA (Carbon) Canister Filter Housings

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**HEGA (High-Efficiency Gas-Phase Air) Canister Filter Housings** are constructed of 16-gage Aluminized-steel standard (or optional 16-gage 304L Stainless-Steel) with stitch-weld and caulked seams. These modular housings are available up to 72" wide by 72" high. (Larger sizes available as custom-size only.)





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**HEGA (High-Efficiency Gas-Phase Air) Canister Filter Housings** utilize a heavy-duty 12"x24" holding frame to hold the canisters and allow for high-airflow with very low pressure drop. The canisters are gasketed on the side-wall and then slid into the 2" deep filter channel to provide a bypass-free installation in the side-access housing. Canisters are perforated on both the inside and outside and can accept any type of granular or pelletized gas-phase media.



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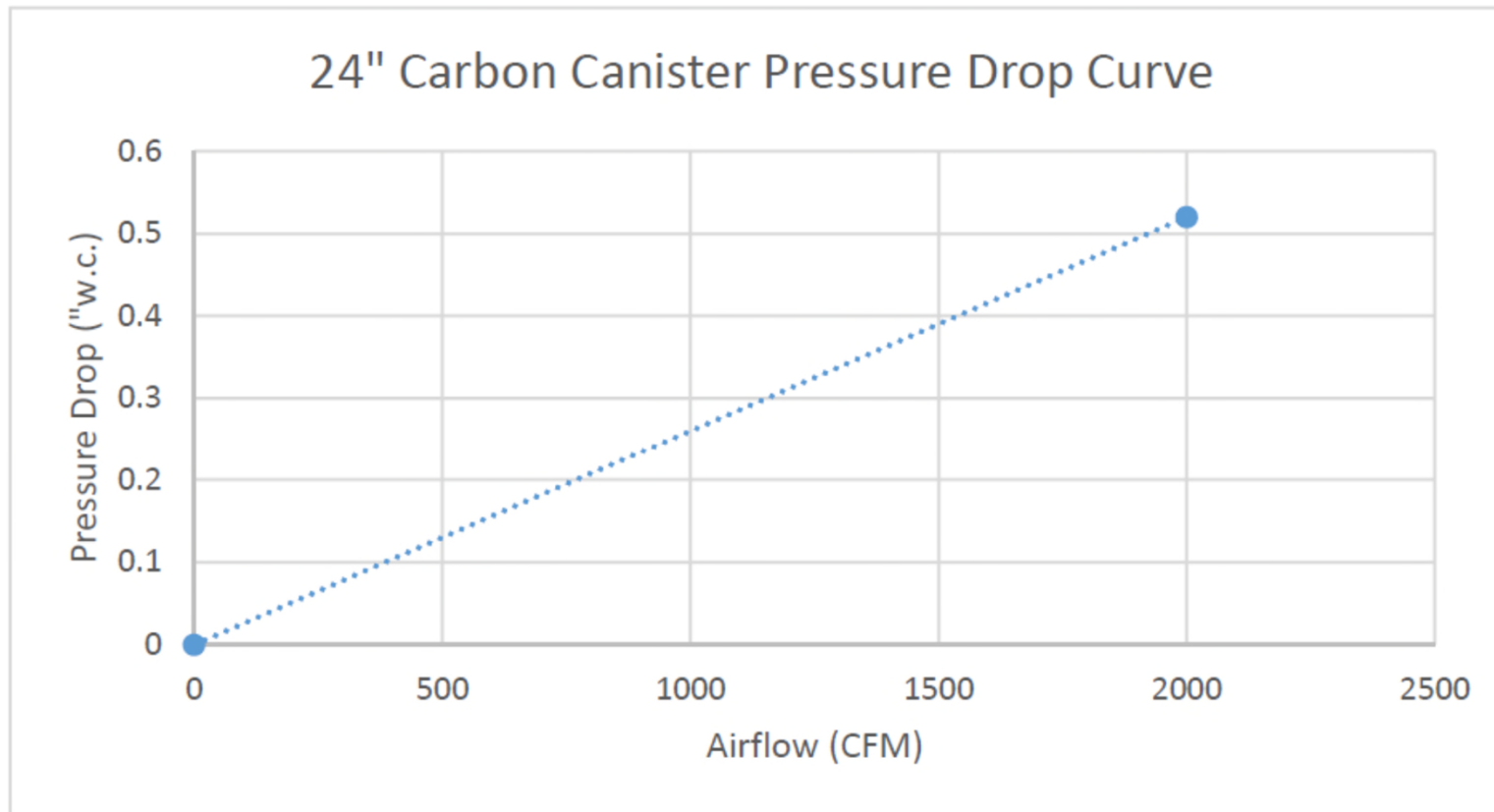


**HEGA Canisters** are constructed of perforated galvanized-steel with galvanized-steel end caps. End caps are removable to permit dumping and refilling of the expensive canisters. Canisters are available in 18" and 24" long arrangements, depending on space availability. A gasket is provided on the sealing end of each canister so that an airtight seal is achieved when the canister is mounted onto the holding frame. Each 12x24 frame holds eight 6" diameter cylindrical canisters. Pressure drop depends on length of canister and the type of media used. For example, a 24" long canister with standard 4x8 mesh coconut-shell carbon has a pressure drop of **0.52"wc** at 2000cfm for a 24x24 housing.





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**Important Note:** Pressure Drop based on quantity (16) canisters in 24"x24" face area

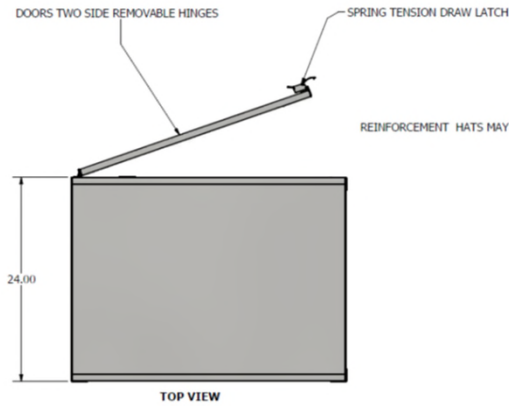


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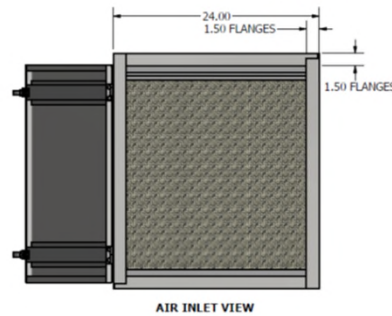
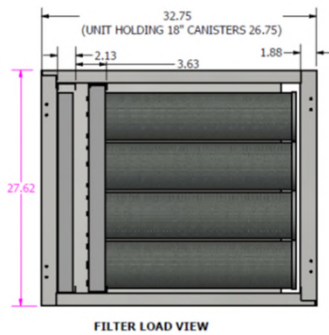
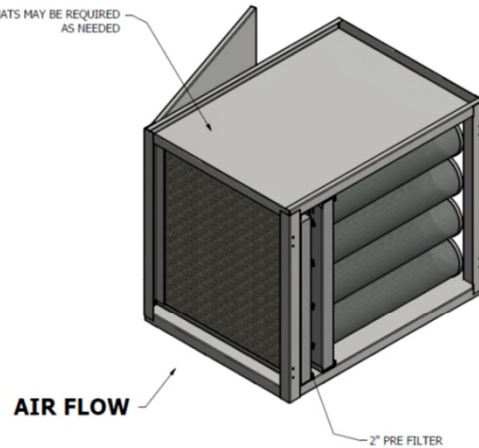


## SIZING CHART BY 24"X24" OPENING

HOUSING HEIGHT									
1/2	1	1 1/2	2	2 1/2	3	3 1/2	4		
15 5/8"	27 5/8"	41 1/4"	51 1/4"	64 7/8"	75 7/8"	89 1/2"	100 1/2"		
HOUSING WIDTH									
1/2	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5
12"	24"	36"	48"	60"	72"	84"	96"	108"	120"



REINFORCEMENT HATS MAY BE REQUIRED AS NEEDED



NOTE: MODEL SHOWN ONLY HAS ONE DOOR

### SPECIFICATIONS

MADE FROM 16 GAUGE CRS POWDER COAT FINISH STITCH WELDED CONSTRUCTION

(OPTIONAL: ALUMINIZED STEEL OR STAINLESS STEEL)

FILTERS UNIT HOLDS:

2" PRE 23 3/8 X 23 3/8 X 1 3/4  
(HALF SIZE 11 3/8 X 23 3/8 X 1 3/4)

16- 24" X 5 1/4 RD X 1" CANISTERS

OR

16- 18" X 5 1/4 RD X 1" CANISTERS  
(HALF SIZE HOLDS 8-18" OR 24")

DESIGN VELOCITY: 2000CFM PER 24"X24" OPENING  
(W.G NOT INCLUDING PRE OR POST FILTER)  
.66" W.G @ 500 FT/MN 2000CFM 50/50 BLEND

MEDIA WEIGHT: +/- 5%

24" CANISTER

CARBON - 96LBS

50/50 BLEND POTASUIM/CARBON - 132 LBS

POTASUIM - 160 LBS

18" CANISTER

CARBON - 72 LBS

50/50 BLEND POTASUIM/CARBON - 68 LBS

POTASUIM - 120 LBS

Standard housing is approximately 33" deep (in direction of airflow) when using a 2" deep ASHRAE prefilter and 24" extended-life canisters. Custom filter configurations (multi-pass, etc.) and sizes are available.



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**HEGA (High-Efficiency Gas-Phase Air) Medias** are various granular and pelletized medias that can put into perforated trays or canisters. Media selected is based on the gaseous-contaminants that are to be addressed. Sometimes medias must be put into consecutive beds to address gaseous-compounds or for high concentrations of certain gases or compounds.

**Cannabis Growing & Processing:** In cannabis growing and processing the typical media applied is **4x8 mesh virgin coconut-shell carbon**, a high-quality, high-activity carbon that is ideal for general odor control and VOCs.



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## ***Standard Features:***

**Lift-off hinges** are provided on every filter access door. *(See pic at right)* This facilitates filter access in tight spaces.



**Heavy-duty door latches** are provided on every door to allow excellent gasket compression while maintaining good form to the stiffened and gusseted filter access door.





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## *Housing Options:*



**Filter differential pressure gages & transmitters** are an available option on any in-line filter housing. Gages are strongly recommended for any housing using HEPA or ULPA filters.



**Filter-Fan Units** can be packaged with any in-line filter housing. HEPA/ULPA filter housings can be mated to utility fans and they can also be put into series with other filter housings including carbon-tray or carbon-canister housings to address both chemical/odor and particulate capture.  
*(see pic at left of HEGA-HEPA filter fan unit)*