

KA-275-F



# SIDE ACCESS FILTER HOUSINGS

*Two Stage  
Aluminized Steel, Completely Factory Assembled*

*Innovative  
Clean Air  
Solutions*



UL CERTIFICATE  
A4915

# Side Access Filter Housings

- Completely factory assembled
- Aluminized steel construction
- Extruded aluminum filter tracks
- Gasketed doors and filter tracks
- Modular design - 6 depths
- Wide selection of prefilters and final filters

## Factory Assembled, Ready for Installation

The Airguard unit is a completely factory assembled, side access housing available in sizes from 1' wide x 2' high up to 10' wide x 7' high in a single module. Larger capacities may be achieved by stacking or butting units together in a building block fashion.

The housings consist of a rugged one piece assembly complete with two (2) filter tracks and gasketed access doors. The units are shipped ready for installation.

**Select from Six Housing Depths** - 12", 14", 21", 26", 38" and 42" to accommodate 2" or 4" prefilters and final filters from 4" to 36" deep.

## Corrosion Resistant 16 Gauge Aluminized Steel

All Airguard housings are constructed of 16 gauge aluminized steel for enhanced corrosion resistance and appearance compared to galvanized steel units.

## Rigid, Interlocking Construction

The housings are engineered for rigid assembly using interlocking, snap-fit components. The components are secured with torx head screws that are countersunk for a completely flush exterior.

## Extruded Aluminum Filter Tracks

The units are equipped with two extruded aluminum filter tracks. The final filter track is gasketed to seal the filters and prevent bypass. The tracks are designed with raised ribs to reduce friction when installing or removing the filters.

Countersunk screws provide a smooth surface for easy installation without snagging.

## Cross-Broke, Cap Style Access Doors

The housings are supplied with two doors. Cross-broke style doors are used for greater rigidity. The cap style design allows the doors to fully seal around the entire perimeter. The doors are also gasketed at the end of the filter tracks.

The standard units are designed for up to 3" W.G. positive or negative pressure. Optional reinforcing is available for up to 10" W.G. pressure.

The doors have lift off style hinges that allow them to be easily removed where full open door swing (21") is not available. The door latches and hinges are screwed, not welded to the housing, allowing easy replacement if damaged.

Units that are single cell or multiple cell using full size filters may be rotated 180° to position the door on the required side. Units containing half-size filters or special flange adaptors must have the door location specified (right or left as viewed from the air entering side).



Side view with door closed shows quick action, over center latches.



Side view with door open shows position of prefilter and final filter. Gasket for sealing filters can also be seen on inside of the door.

## Modular Design Permits Sizing Flexibility

The maximum size of a single housing is 10' wide x 7' high, containing 15 full size and 5 half size filters (35,000 CFM rating at 500 FPM). Multiple units can be stacked vertically or butted together to achieve almost any desired capacity.

Example: 120,000 CFM

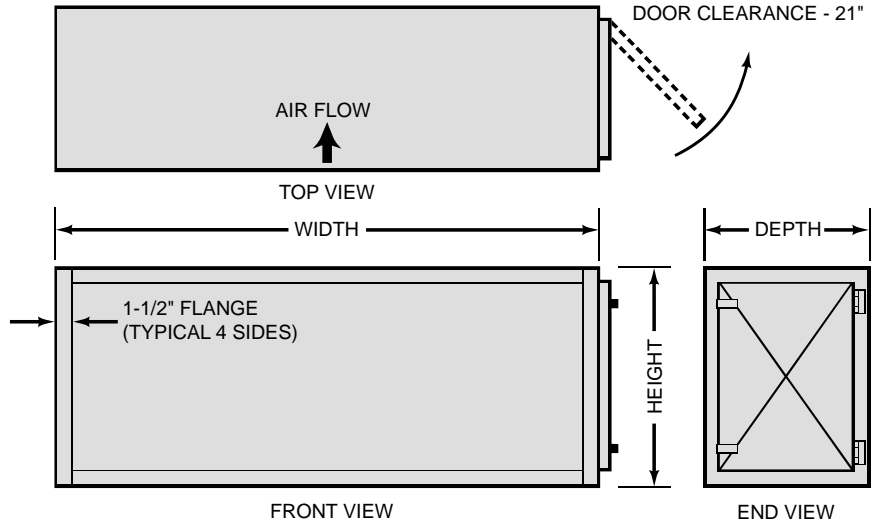
This size system would be achieved by using four (4) 10 x 6 housings - two (2) units butted end to end and two (2) stacked on top, for an overall nominal width of 20 feet and a nominal height of 12 feet. This housing would contain 60 full size filters (2000 CFM rated capacity).

When modular construction is specified, the housings will be supplied with corner posts prepunched and gasketed for butting units together, and/or standing flanges for stacking the units on top of one another.

Inward turned flanges around the perimeter of the housing at both ends are 1-1/2" wide for easy field connection to ductwork. For units to be installed in line with air handling units, special adaptor flanges are available.



Filters for side access housings should be ordered with a gasket on one vertical side of the header to prevent leakage between adjacent filters.



HOUSING		PREFILTER	FINAL FILTER	
Depth	Code No.	Depth	Track Depth	Maximum Filter Depth
12"	12	2"	4"	4"
14"	14	4"	4"	4"
21"	21	2"	1"	15"
26"	26	4"	1"	15"
38"	38	2" or 4"	1"	30"
42"	42	2" or 4"	1"	36"

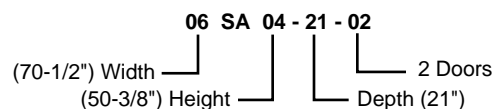
## HOUSING SIZE AND CAPACITY (@500FPM)

HEIGHT CODE	OVERALL HEIGHT (INCHES)		WIDTH CODE									
			01	02	03	04	05	06	07	08	09	10
			OVERALL WIDTH (INCHES)									
			11-1/2	23-1/2	35	47	58-1/2	70-1/2	82	94	105-1/2	117-1/2
07	85-3/4	NOMINAL AREA (ft <sup>2</sup> )		14	20	28	34	42	48	56	62	70
		NO. FILTERS		1H 3F	4H ■ 3F	2H 6F	5H ■ 6F	3H 9F	6H ■ 9F	4H 12F	7H ■ 12F	5H 15F
		CAPACITY (cfm)		7000	10000	14000	17000	21000	24000	28000	31000	35000
06	74-1/16	NOMINAL AREA (ft <sup>2</sup> )	6	12	18	24	30	36	42	48	54	60
		NO. FILTERS	3H	3F	3H 3F	6F	3H 6F	9F	3H 9F	12F	3H 12F	15F
		CAPACITY (cfm)	3000	6000	9000	12000	15000	18000	21000	24000	27000	30000
05	62-1/16	NOMINAL AREA (ft <sup>2</sup> )		10	14	20	24	30	34	40	44	50
		NO. FILTERS		1H 2F	3H ■ 2F	2H 4F	4H ■ 4F	3H 6F	5H ■ 6F	4H 8F	6H ■ 8F	5H 10F
		CAPACITY (cfm)		5000	7000	10000	12000	15000	17000	20000	22000	25000
04	50-3/8	NOMINAL AREA (ft <sup>2</sup> )	4	8	12	16	20	24	28	32	36	40
		NO. FILTERS	2H	2F	2H 2F	4F	2H 4F	6F	2H 6F	8F	2H 8F	10F
		CAPACITY (cfm)	2000	4000	6000	8000	10000	12000	14000	16000	18000	20000
03	38-3/8	NOMINAL AREA (ft <sup>2</sup> )		6	8	12	14	18	20	24	26	30
		NO. FILTERS		1H 1F	2H ■ 1F	2H 2F	3H ■ 2F	3H 3F	4H ■ 3F	4H 4F	5H ■ 4F	5H 5F
		CAPACITY (cfm)		3000	4000	6000	7000	9000	10000	12000	13000	15000
02	26-11/16	NOMINAL AREA (ft <sup>2</sup> )	2	4	6	8	10	12	14	16	18	20
		NO. FILTERS	1H	1F	1H 1F	2F	1H 2F	3F	1H 3F	4F	1H 4F	5F
		CAPACITY (cfm)	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
01	14-11/16	NOMINAL AREA (ft <sup>2</sup> )		2		4		6		8		10
		NO. FILTERS		1H		2H		3H		4H		5H
		CAPACITY (cfm)		1000		2000		3000		4000		5000

### FILTER QUANTITY PER HOUSING:

- H = Half Size (11-3/8" x 23-3/8")
- F = Full Size (23-3/8" x 23-3/8")
- = 11-3/8" x 11-3/8"
- BLANK-OFF PANEL

### MODEL NO. CODE, EXAMPLE:



## OPTIONS

The standard materials of construction are suitable for most applications and service conditions, however, where necessary Airguard housings may be constructed from aluminum, stainless steel or epoxy coated.

Adaptor flanges for all commercial air handling units plus adaptor flanges to meet any ductwork requirements are available.

Support legs and ceiling mounting hanger brackets are also available.

Weatherproof units for outside installations consist of a pitched roof, rain guards over the doors and caulking of all seams.

Double skin insulation (1.5 pound density)  
High Pressure (up to 10" W.G.) positive / negative

### PREFILTERS



#### TYPE DP PLEATED FILTERS

Extended surface pleated panel filter offers higher air cleaning efficiency than conventional disposable air filters.

Brochure KA-294

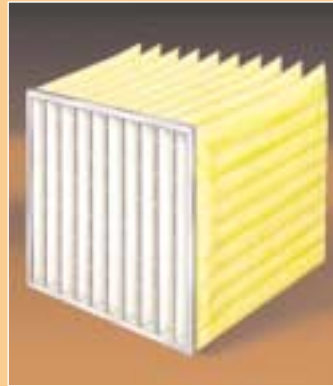


#### LINK PANELS

Links allow easy installation and removal in side access units. Self-sealing design prevents leakage past filters. Select from a variety of models.

Brochure KA-225

### FINAL FILTERS



#### CLEAN-PAK

Extended surface pocket filter designed for areas requiring a high degree of air cleanliness. Select from five efficiencies. Pocket lengths from 10" to 36".

Brochure KA-108



#### VARIFLOW

High efficiency extended surface rigid cell type filter. Ideal for variable volume systems. Select from three efficiencies.

Brochure KA-445

## SPECIFICATIONS

Housing(s) shall be the Airguard side access filter housing as manufactured by Airguard Industries, Inc., Louisville, Kentucky.

The housing(s) shall be manufactured using 16 gauge aluminized steel for all sheet metal components with all other steel components zinc plated to prevent corrosion.

The housing(s) shall be completely factory assembled, fully gasketed and ready for installation when received at the job site. Both ends shall have 1-1/2" wide flanges to facilitate attachment of the housing to the ductwork.

Access doors shall be cap style, cross broke for strength and hinged at the rear of the housing for easy access to the filters.

The hinges shall be lift off type to allow easy removal of the doors.

Latches for the access doors shall be of the quick action, over center draw type.

Access doors shall be fully gasketed around the perimeter and at the end of the filter tracks to prevent bypass leakage.

The final filter track shall be sealed by use of a suitable gasket to insure filter integrity and provide for interchanging of header type filters and different ASHRAE efficiencies as required.



a CLARCOR company

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