Filter Cabinet (FILCAB)
Cartridge Filter (FILXUMC)
EZ Flex™ (EXPXX)
Sizes 16, 20, 24

Carrier

Product Data

A10047

Fig. 1 – Filter Cabinet (FILCAB)

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Fig. 2 – EZ Flex™ Filter (EXPXX)

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Fig. 3 – Cartridge Filter (FILXUMC)

Model FILCAB

The FILCAB Mechanical Air Cleaner cleans the air of dust, pollen, and smoke which helps keep homes cleaner and fresher longer.

FEATURES/BENEFITS

EASY FILTER ACCESS

Using the FILCAB air cleaner allows homeowners easy filter access on their fan coil system. They will no longer have to go inside the fan coil to access or change the filter.

INSULATED CABINET

R4.2 insulation.

IMPROVED INDOOR FILXXFNC AIR QUALITY (IAQ)

For enhanced IAQ solutions, the FILCAR filters included in the FILCAB media cabinets provide air cleaning efficiency options of MERV 8, MERV 11, or MERV 13.

TROUBLE-FREE INSTALLATION

No electricity is required.

NEARLY MAINTENANCE FREE OPERATION

The only maintenance required is replacing the media filter cartridge when needed – before each heating or cooling season or at least twice a year, depending on conditions.

Filter Cabinet (FILCAB) Model Number Nomenclature

1	2	3	4	5	6	7	8	9	10	11	12
F	I	L	C	A	B	X	L	0	0	1	6

Product Type
FILCAB = Filter Media Cabinet

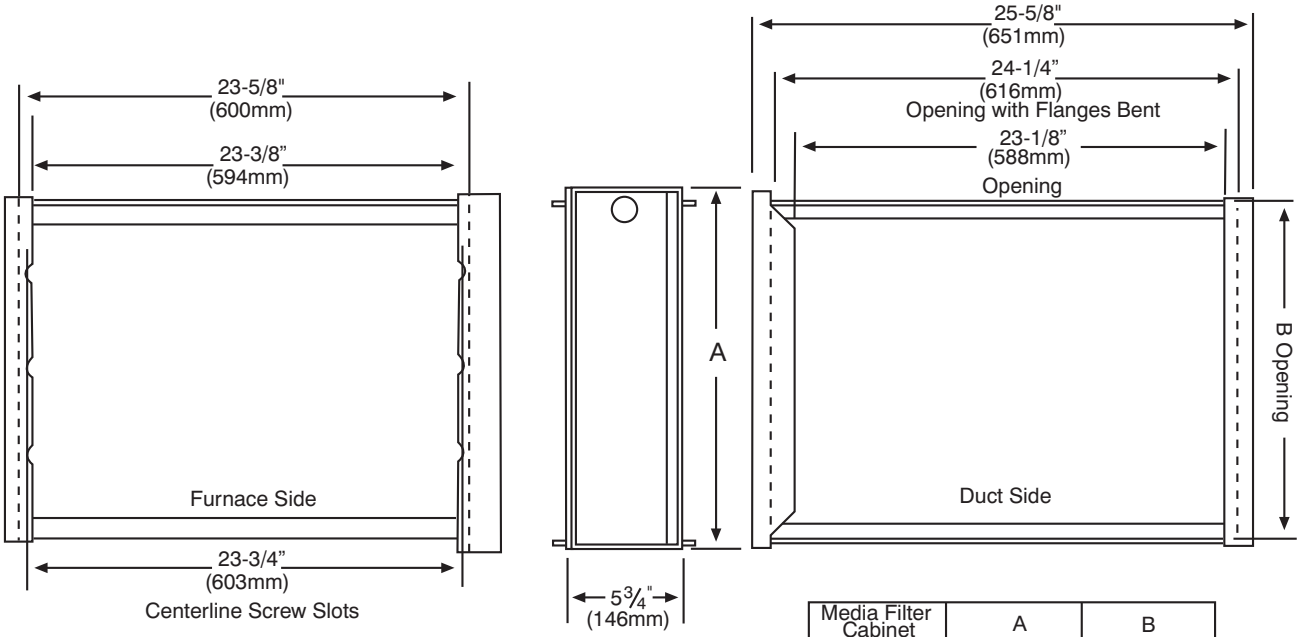
Brand
X =Shipped with Logos in Carton

Style
L = Long

Size
16
20
24

Factory Assigned
00 = Not Used

Dimensions



Media Filter Cabinet	A	B
16" (406mm)	17" (432mm)	16" (406mm)
20" (508mm)	21" (533mm)	20" (508mm)
24" (610mm)	25" (635mm)	24" (610mm)

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Filter Cartridge (FILXUMC) Model Number Nomenclature

1	2	3	4	5	6	7	8	9	10	11	12	13
F	I	L	X	U	M	C	1	1	1	6	2	5

Product Type
FILX = Media Filter

Model Type
UMC = Universal Media Cartridge

MERV
08 = MERV 8
11 = MERV 11
13 = MERV 13

Size
1625 = 16″ x 25″
2025 = 20″ x 25″
2425 = 24″ x 25″

Model FILXUMC

This filter's Minimum Efficiency Reporting Value (MERV) is specified by ASHRAE Standard 52.2. It is based on lab tests to determine the filter's ability to trap particles. MERVs for residential filters will typically be in the range of MERV 1 to MERV 16: the higher the value, the more efficient the filter.

Collection efficiency is measured in the 3-10 micron particle size range. (For comparison, a human hair is approximately 50-100 microns in diameter.)

Minimum Collection Efficiency of FILXUMC filters:

- MERV 8 = 70%
- MERV 11 = 85%
- MERV 13 = 90%

FEATURES/BENEFITS

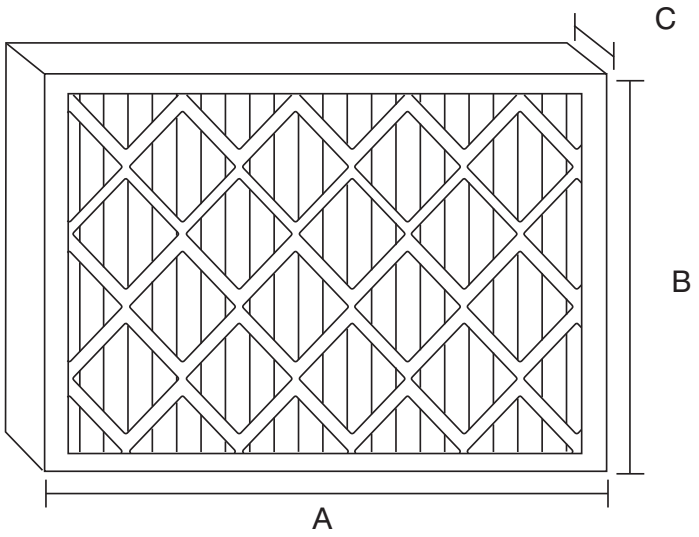
Extended surface 4-1/8" filter with a design that is optimized for low static pressure and high dust holding capacity.

- Perfect fit filter has an exact fit with the cabinet. Does not contain foam, sponge or fiberglass filler, which means most of the air is passing through the filter and not through filler material, thereby maximizing the system's ability to clean the air.
- User-friendly, easy-to-change filter cartridge means no fussing with complicated combs or brackets.
- Filter lasts up to one year in standard applications.

Exceptional System Performance

For optimum system performance use the FILCAB cabinet with Carrier FILXUMC high efficiency media filters designed especially for Carrier furnaces.

Dimensions



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Product Number	A x B x C Dimensions, in. (mm) Tolerance (A, B) = ± 0.125 (3.2) Tolerance (C) = ± 0.0625 (1.6)
FILXUMC**1625	24.75 x 15.75 x 4.125 (629 x 400 x 104.8)
FILXUMC**2025	24.75 x 19.875 x 4.125 (629 x 505x 104.8)
FILXUMC**2425	24.75 x 23.6875 x 4.125 (629 x 600 x 104.8)

Table 1 – Minimum Filter Efficiency				
	E1	**E2**	**E3**	**MERV**
FILXUMC08** All Sizes	–	≥20%	≥70%	8
FILXUMC11** All Sizes	≥20%	≥65%	≥85%	11
FILXUMC13** All Sizes	≥50%	≥85%	≥90%	13

NOTES:
Minimum Efficiency Reporting Value (MERV) per ASHRAE 52.2
E1: MINIMUM Average Efficiency for particles sized between 0.3 and 1 micron.
E2: MINIMUM Average Efficiency for particles sized between 1 and 3 microns.
E3: MINIMUM Average Efficiency for particles sized between 3 and 10 microns.

Table 2 – Replacement Filters

REPLACEMENT FILTERS ORDER NUMBER			
	16 x 25	**20 x 25**	**24 x 25**
MERV 8	FILXUMC081625	FILXUMC082025	FILXUMC082425
MERV 11	FILXUMC111625	FILXUMC112025	FILXUMC112425
MERV 13	FILXUMC131625	FILXUMC132025	FILXUMC132425
Quantity per Carton	3	3	3

Table 3 – Pressure Drop at Various Airflows (clean)

TYPICAL PRESSURE DROP									
Airflow Range (CFM)	**Resistance (in. w.c.)**								
	Filter Size / MERV								
	1625			**2025**			**2425**		
	MERV8	**MERV11**	**MERV13**	**MERV8**	**MERV11**	**MERV13**	**MERV8**	**MERV11**	**MERV13**
600	0.06	0.06	0.09	0.04	0.05	0.07	0.03	0.03	0.06
800	0.09	0.10	0.13	0.06	0.07	0.11	0.04	0.05	0.08
1000	0.12	0.14	0.18	0.09	0.10	0.14	0.06	0.07	0.11
1200	0.16	0.19	0.24	0.12	0.14	0.18	0.08	0.09	0.14
1400	0.21	0.25	0.30	0.15	0.17	0.23	0.10	0.12	0.18
1600	0.26	0.31	0.37	0.19	0.22	0.27	0.13	0.15	0.22
1800				0.23	0.27	0.33	0.15	0.18	0.26
2000				0.28	0.32	0.38	0.18	0.22	0.30
2200							0.21	0.26	0.35

EZ Flex™ Filter (EXPXX)

Model Number Nomenclature

1	2	3	4	5	6	7	8	9	10	11	12
E	X	P	X	X	F	I	L	0	0	1	6

Product Type
Media Filter

Brand
Non–brand specific

Model Type
FIL – Replacement Filter for EXPUNV (without end caps)
UNV – Replacement Assembly for EZXCAB (with end caps)
Trion r, Honeywell r and SpaceGard r cabinets

Size
16
20
24

MERV
0 – MERV 10
3 – MERV 13

Factory Assigned
0 – Not used

EZ FLEX FILTER

The EZ Flex Expandable Air Filter sets the precedent in the air filtration industry. Coupling easy, time saving assembly and flexible design, the EZ Flex filter is the answer for any contractor who wants to save both time and money.

FEATURES/BENEFITS

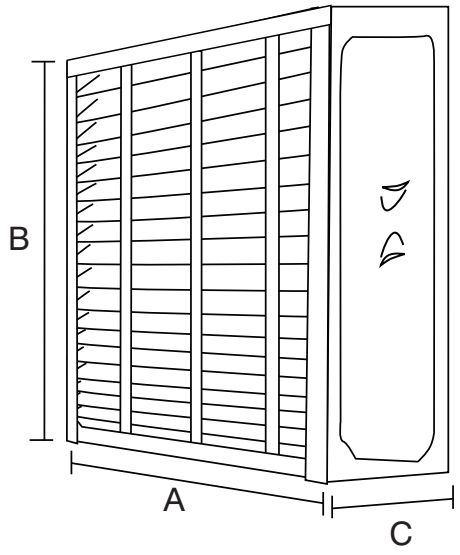
FLEXIBLE DESIGN — EZ Flex can be used in upflow, downflow and horizontal applications.

EFFICIENT DESIGN — The EZ Flex filter is available in MERV 10 and MERV 13. MERV (ASHRAE Standard 52.2, Minimum Efficiency Reporting Value) for residential filters will typically be in range of MERV 1–13. The higher value the more efficient the filter.

SYSTEM FRIENDLY PRESSURE DROP — The EZ Flex filter protects HVAC system by not producing significant pressure drop, therefore allowing the system to operate at its optimum efficiency.

LARGE DUST HOLDING CAPACITY — The EZ Flex has a high dust holding capacity. This increases the time between filter changes. The exceptionally large surface area traps dust, pollen, molds, tobacco smoke, grease, soot, bacteria, and animal dander to provide cleaner, fresher air that is free of airborne pollutants and irritants regardless of the season.

Dimensions



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Unit Size	Media Area (gross), sq. ft. (sq. m)	Dimensions (a x b x c) Tolerance = ± 0.125 (3.2) in. (mm)
0016 / 0316	23.14 (2.15)	24.6875 x 15.9 x 4.5 (627 x 404 x 114)
0020 / 0320	28.58 (2.66)	24.6875 x 19.9 x 4.5 (627 x 505 x 114)
0024 / 0324	34.03 (3.16)	24.6875 x 23.9 x 4.5 (627 x 607 x 114)

PHYSICAL DATA

SIZE	016 / 316	020 / 320	024 / 324
Rated Air Flow (CFM)	600 – 1600	600 – 2000	600 – 2200
MERV	10 / 13	10 / 13	10 / 13
Typical Static Pressure Drop (in. wc.) Clean @ rated airflow)*	0.20 / 0.25	0.19 / 0.23	0.15 / 0.18
Filter Media	Synthetic		
Filter Area (sq. ft / sq. m)	23.14 / 2.15	28.58 / 2.66	34.03 / 3.2
Shipping Weight – 10-pack (lb / kg)	25 / 11.3	26 / 11.8	30 / 13.6

*. Initial pressure drop (in. wc) at rated airflow (1400 CFM for EXPXXUNV0016, EXPXXFIL0016; 1700 CFM for EXPXXUNV0020, EXPXXFIL0020; 2000 CFM for EXPXXUNV0024, EXPXXFIL0024)

PLEATED MEDIA FILTER	MERV 10 EFFICIENCY * †	MERV 13 EFFICIENCY * †
16 in.	E1: 24.4%	E1: 38.2%
	E2: 56.3%	E2: 90.0%
	E3: 92.4%	E3: 98.9%
20 in.	E1: 26.2%	E1: 38.2%
	E2: 60.2%	E2: 90.0%
	E3: 86.0%	E3: 98.9%
24 in.	E1: 24.3%	E1: 38.2%
	E2: 52.7%	E2: 90.0%
	E3: 86.1%	E3: 98.9%

*. Minimum Efficiency Reporting Value (MERV) is specified by ASHRAE Standard 62.2 2007. It is based on lab tests to determine the filter's ability to trap particles. MERVs for residential filters will typically be in the range of MERV 1-13. The higher the value, the more efficient the filter. MERV 10 filters have a minimum of 85% particle collection efficiency in the 3 – 10 micron particle size range. (Human hair is approximately 50-100 microns in diameter.) MERV 13 filters have a minimum of 90% particle collection efficiency in both the 1 – 3 micron and 3 – 10 micron particle size ranges.

†. E1: MINIMUM Average Efficiency for particles sized between 0.3 and 1 micron.
E2: MINIMUM Average Efficiency for particles sized between 1 and 3 microns.
E3: MINIMUM Average Efficiency for particles sized between 3 and 10 microns.

REPLACEMENT FILTERS

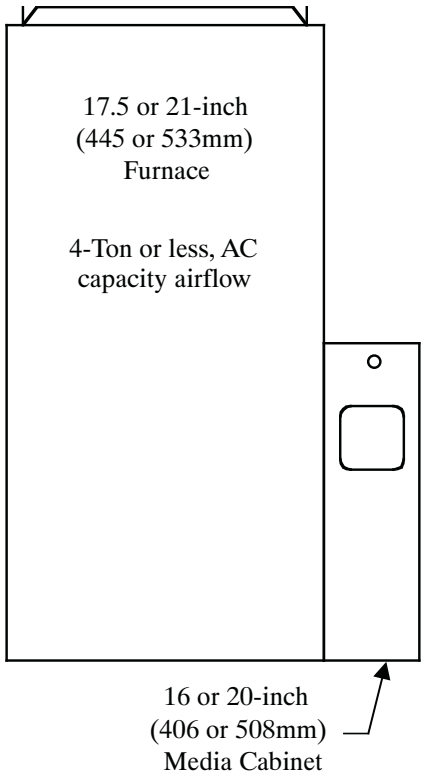
REPLACEMENT FILTERS ORDER NUMBER			
MERV 10	EXPXXFIL0016	EXPXXFIL0020	EXPXXFIL0024
MERV 13	EXPXXFIL0316	EXPXXFIL0320	EXPXXFIL0324
Quantity per Carton	10	10	10

PRESSURE DROP AT VARIOUS AIRFLOWS (CLEAN)

Airflow Range (CFM)	Factory Supplied Furnace/Fan Coil Filter	EXPXXFIL0016 EXPXXFIL0316	EXPXXFIL0020 EXPXXFIL0320	EXPXXFIL0024 EXPXXFIL0324
	Resistance (in. w.c) – Clean Filter			
600	0.015	0.045 / .050	0.030 / .050	0.020 / .025
800	0.020	0.075 / .090	0.050 / .070	0.030 / .040
1000	0.030	0.110 / .130	0.075 / .100	0.050 / .060
1200	0.035	0.150 / .190	0.100 / .130	0.070 / .085
1400	0.045	0.200 / .250	0.130 / .150	0.080 / .100
1600	0.055	0.250 / .310	0.160 / .200	0.120 / .120
1800	0.062	—	0.200 / .240	0.140 / .150
2000	0.070	—	0.230 / .300	0.140 / .150
2200	—	—	—	0.180 / .210

NOTE: When applying the EZ Flex, attention must be given to the duct and system design because all these components affect system static pressure. The EZ Flex has a higher static pressure drop than the typical factory supplied furnace and/or fan coil filter (as shown above), but is designed to ensure proper system efficiency and reliability when applied to a properly designed duct system and properly sized HVAC equipment.

TYPICAL INSTALLATIONS



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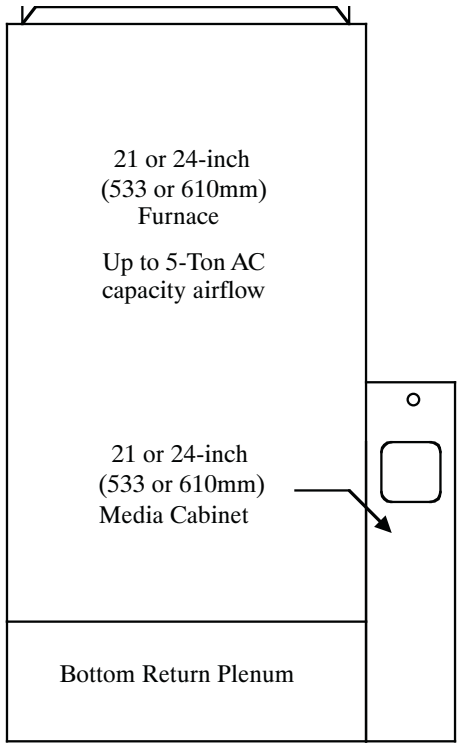

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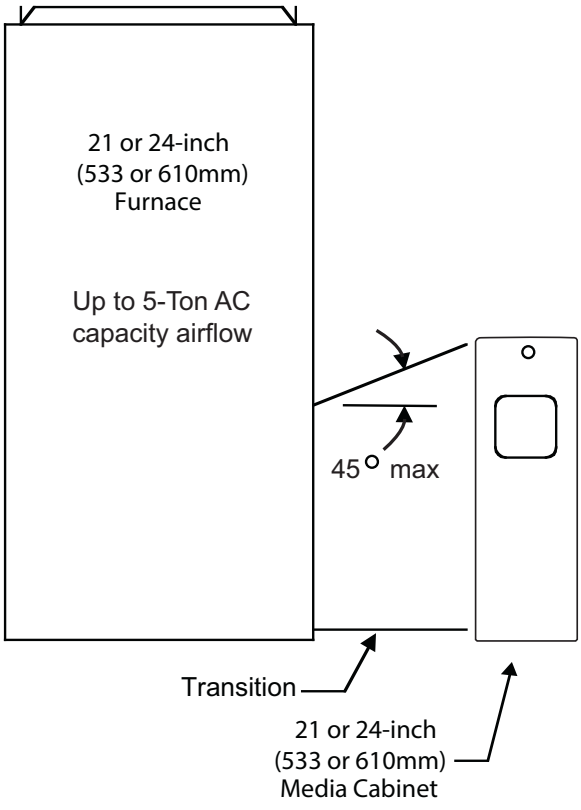

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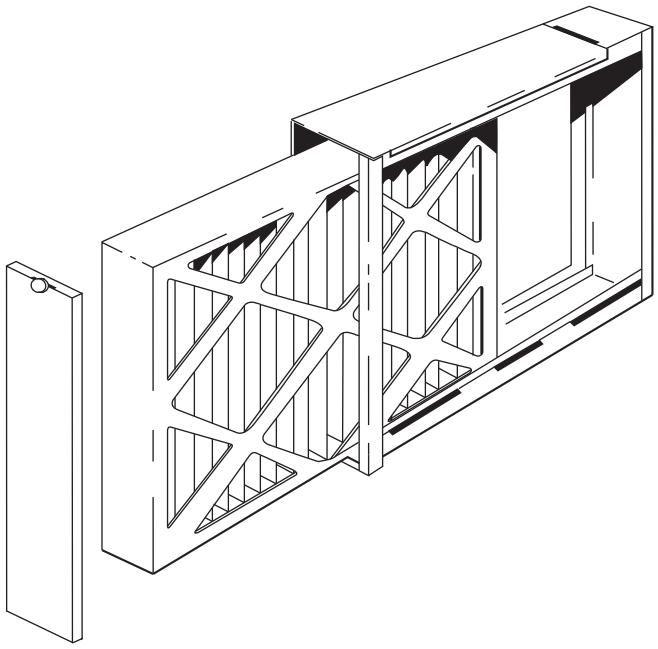

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