



Product Data

EXPX EZ Flex™ Expandable Air Filter

Sizes 016, 020, 024

EZ FLEX™



When you offer your customers the Carrier EZ Flex™ expandable filter, you are offering them all of the advantages of a MERV 10 high-efficiency air filter - cleaner indoor air, reduced levels of dust and other airborne pollutants, and enhanced systems performance. At the same time, you'll enjoy the benefits of easy assembly, compact packaging, and unmatched replacement flexibility.

FEATURES/BENEFITS:

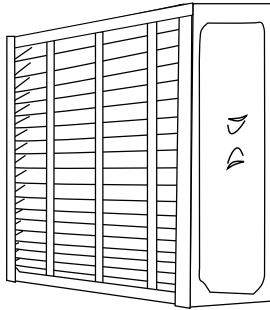
FAST, EZ ASSEMBLY — The EZ Flex™ expandable filter uses a simple, three step process that is much faster and easier than any expandable filter on the market. Other expandable filters can take up to fifteen minutes to assemble, requiring the installation of up to five combs. Because the EZ Flex™ expands to the correct size without using combs, it can be assembled in less than fifteen seconds. That translates to less time on the job and more money in your pocket.

SPACE-SAVING DESIGN — Cartridge filters require more space than expandable filters. The compact EZ Flex™ allows you to fit up to fifteen replacement filters in the same space required for three cartridge filters. More filters in less space means fewer trips back to the shop to restock your vehicles.

DESIGNED FOR MAXIMUM FLEXIBILITY — Carrier's EZ Flex filter was designed for replacement flexibility. With its patented design, the EZ Flex not only serves as a replacement for Carrier MPKA and MACA cabinets, it also replaces Honeywell, Trion®, and Space-Gard® cabinet filters. Because EZ Flex™ fits so many applications, you only have to stock one type of filter to meet the majority of your customer's needs.

EXTRA CONVIENCE WITHOUT SACRIFICING PERFORMANCE — The EZ Flex™ expandable filter offers greater flexibility and ease of assembly while maintaining an efficiency rating of MERV 10. EZ Flex is designed to remove airborne pollutants as small as .3 microns while maintaining the lowest pressure drop ratings in the industry. Carrier's EZ Flex significantly improves indoor air quality while allowing the HVAC system to perform at its best.

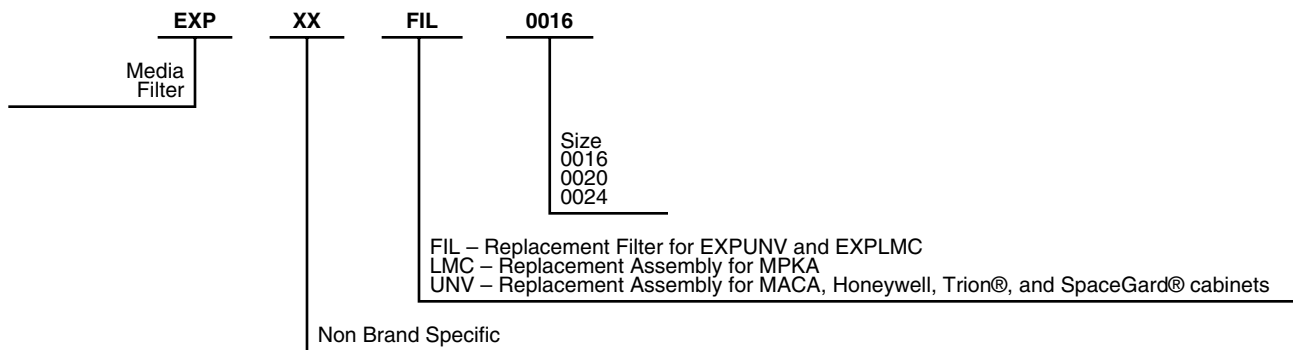
Dimensions



DIMENSIONS (In.)

UNIT SIZE	Media Area (Gross)	Dimensions (In.) Tolerance: +/- 0.125" UNV Models	Dimensions (In.) Tolerance: +/- 0.125" LMC Models
0016	23.14 sq ft.	24.6875 X 15.9 X 4.5	25.3125 X 15.9 X 4.5
0020	28.58 sq ft.	24.6875 X 19.9 X 4.5	25.3125 X 19.9 X 4.5
0024	34.03 sq. ft.	24.6875 X 23.9 X 4.5	25.3125 X 23.9 X 4.5

Model number nomenclature



DIRECT DIMENSIONAL REPLACEMENTS

Media Air Cleaner	Nominal Size	EXPXXUNV		EXPXXLMC		
		0016	0020	0016	0020	0024
Carrier MACA	16 X 25	X				
	20 X 25		X			
Carrier MACPAK	16 X 25			X		
	20 X 25				X	
	24 X 25					X
SpaceGard® 2200	20 X 25		X			
Honeywell F35 Expandapac	16 X 25	X				
	20 X 25		X			
Honeywell F100F	16 X 25	X				
	20 X 25		X			
Honeywell F150E	16 X 25	X				
	20 X 25		X			
Honeywell F200E	16 X 25	X				
	20 X 25		X			
Trion® Air Bear	16 X 25	X				
	20 X 25		X			
EXPXXFIL0016*	16 X 25	X		X		
EXPXXFIL0020*	20 X 25		X		X	
EXPXXFIL0024*	24 X 25					X

*These filters are direct replacements for other EZ Flex™ filter assemblies

Physical data

SIZE	016	020	024
RATED AIRFLOW	600–1600 CFM	600–2000 CFM	600–2200 CFM
MERV	10	10	10
DUST HOLDING CAPACITY (grams)	105	140	180
ATMOSPHERIC DUST SPOT EFFICIENCY (initial)	45%	45%	45%
TYPICAL STATIC PRESSURE DROP (in. wc.) (Clean @ rated airflow)	.2	.19	.15
FILTER MEDIA	Synthetic		
FILTER AREA (sq ft)	23.14	28.58	34.03
SHIPPING WEIGHT (10 pack) (lbs)	25 lb	26 lb	30 lb

PLEATED MEDIA FILTER	EFFICIENCY ¹		PRESSURE DROP ²	DUST HOLDING CAPACITY ³
16-in.	MERV 10	E1: 24.4%	0.20-in.	105g
		E2: 56.3%		
		E3: 92.4%		
20-in.		E1: 26.2%	0.19-in.	140g
		E2: 60.2%		
		E3: 86.0%		
24-in.		E1: 24.3%	0.15-in.	180g
		E2: 52.7%		
		E3: 86.1%		

Notes:

- 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 1-10. 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.) All three sizes of filters reach a MERV 10.
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.
Reaches 99% efficiency for particles sized between 7 and 10 microns at 0.40-in. pressure drop.
- Initial pressure drop (in. wc) at rated airflow (1400CFM for EXPXXUNV0016, EXPXXLMC0016, EXPXXFIL0016, 1700CFM for EXPXXUNV0020, EXPXXLMC0020, EXPXXFIL0020, and 2000CFM for EXPXXUNV0024, EXPXXLMC0024, EXPXXFIL0024).
- At 0.6-in. pressure drop and 492FPM per ASHRAE 52.1.

Replacement filters

REPLACEMENT FILTERS ORDER NUMBER	EXPXXFIL0016	EXPXXFIL0020	EXPXXFIL0024
NUMBER OF FILTERS PER CARTON	10	10	10

Pressure drop

PRESSURE DROP AT VARIOUS AIRFLOWS (CLEAN)

SIZE	TYPICAL FACTORY SUPPLIED FURNACE/FAN COIL FILTER	016 Typical	020 Typical	024 Typical
Airflow (CFM)	Resistance (inches of water) (Clean filter)			
600	0.015	0.045	0.03	0.02
800	0.02	0.075	0.05	0.03
1000	0.03	0.11	0.075	0.05
1200	0.035	0.15	0.10	0.07
1400	0.045	0.2	0.13	0.08
1600	0.055	0.25	0.16	0.12
1800	0.062	—	0.20	0.14
2000	0.07	—	0.23	0.15
2200	—	—	—	0.18

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.

Assembly

