

**EXPX  
EZ Flex™  
Expandable Air Filter  
Sizes 016, 020, 024**



Turn to the Experts.™

## Product Data

**EZ FLEX™**



A10044

When you offer your customers the Carrier EZ Flex™ expandable filter, you are offering all of the advantages of a MERV 10 or MERV 13 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.

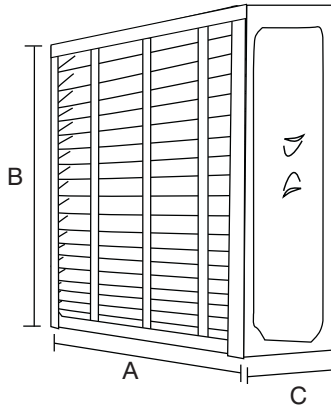
#### DESIGNED FOR MAXIMUM FLEXIBILITY

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 FILCAB and EZXCAB 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 CONVENIENCE WITHOUT SACRIFICING PERFORMANCE

The EZ Flex expandable filter offers greater flexibility and ease of assembly while maintaining an efficiency rating of MERV 10 or MERV 13. EZ Flex is designed to remove airborne pollutants as small as .3 microns while maintaining one of 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



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| UNIT SIZE | MEDIA AREA (GROSS)       | DIMENSIONS IN. / MM (A x B x C)<br>TOLERANCE: +/- 0.125" / 3.2mm UNV MODELS |
|-----------|--------------------------|---|
| 016 / 316 | 23.14 sq ft / 2.15 sq m  | 24.6875 X 15.9 X 4.5<br>(627.06 X 403.86 X 114.3)                           |
| 020 / 320 | 28.58 sq ft / 2.66 sq m  | 24.6875 X 19.9 X 4.5<br>(627.06 X 505.46 X 114.3)                           |
| 024 / 324 | 34.03 sq. ft / 3.16 sq m | 24.6875 X 23.9 X 4.5<br>(627.06 X 607.06 X 114.3)                           |

### 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®, Honeywell® and SpaceGard® cabinets

**Size**  
16  
20  
24

**MERV**  
0 = MERV 10  
3 = MERV 13

**Factory Assigned**  
0 = Not used

## DIRECT DIMENSIONAL REPLACEMENTS

| MEDIA AIR CLEANER            | NOMINAL SIZE | EXPXXUNV  |           |           |
|------------------------------|--------------|-----------|-----------|-----------|
|                              |              | 016 / 316 | 020 / 320 | 024 / 324 |
| Carrier EZXCAB               | 16 X 25      | X         |           |           |
|                              | 20 X 25      |           | X         |           |
| Carrier FILCAB               | 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 / EXPXXFIL0316* | 16 X 25      | X         |           |           |
| EXPXXFIL0020 / EXPXXFIL0320* | 20 X 25      |           | X         |           |
| EXPXXFIL0024 / EXPXXFIL0324* | 24 X 25      |           |           | X         |

\* These filters are direct replacements for EZ Flex filter assemblies.

## PHYSICAL DATA

| SIZE   | 016 / 316     | 020 / 320     | 024 / 324     |
|--|---------------|---------------|---------------|
| Rated Air Flow   | 600–1600 CFM  | 600–2000 CFM  | 600–2200 CFM  |
| MERV   | 10 / 13       | 10 / 13       | 10 / 13       |
| Typical Static Pressure Drop (in. wc.) Clean @ rated airflow) <sup>1</sup> | .20 / .25     | .19 / .23     | .15 / .18     |
| Filter Media   | Synthetic     |               |               |
| Filter Area sq. ft. / sq. m  | 23.14 / 2.15  | 28.58 / 2.66  | 34.03 / 3.16  |
| Shipping Weight (10 pack)  | 25 lb / 11 kg | 26 lb / 12 kg | 30 lb / 14 kg |

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

| PLEATED MEDIA FILTER | MERV 10 EFFICIENCY <sup>1</sup> | MERV 13 EFFICIENCY <sup>1</sup> |
|----------------------|---------------------------------|---------------------------------|
| 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%                       |

**NOTES:**

1. Minimum Efficiency Reporting Value (MERV) is specified by ASHRAE Standard 52.2 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           |

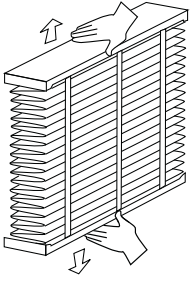
## PRESSURE DROP AT VARIOUS AIRFLOWS (CLEAN)

| TYPICAL PRESSURE DROP |  |   |                             |                             |
|-----------------------|--|---|-----------------------------|-----------------------------|
| AIRFLOW (CFM)         | FACTORY SUPPLIED FURNACE/FAN COIL FILTER | EXPXXFIL0016 / EXPXXFIL0316                 | EXPXXFIL0020 / EXPXXFIL0320 | EXPXXFIL0024 / EXPXXFIL0324 |
|                       |  | Resistance (inches of water) (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                | 0.150 / .180                |
| 2200                  | —  | — / —                                       | — / —                       | 0.180 / .210                |

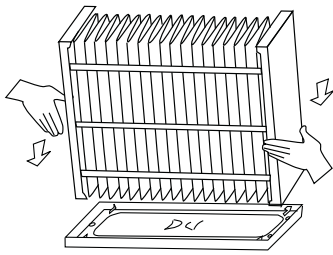
**NOTE:**

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.

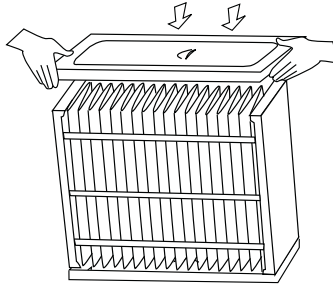
# ASSEMBLY



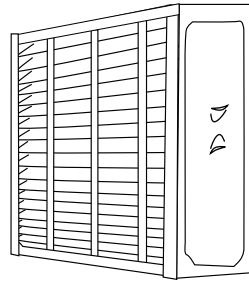
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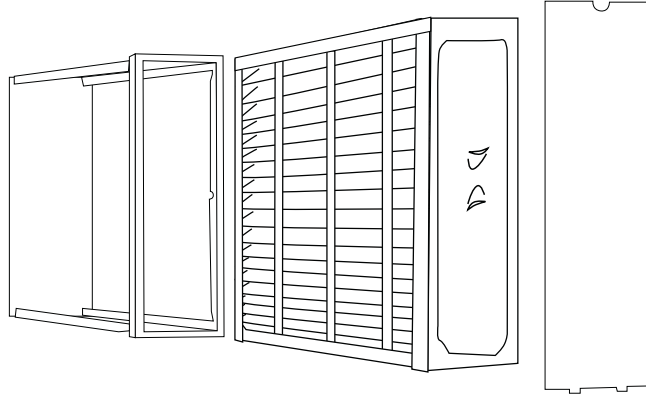


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