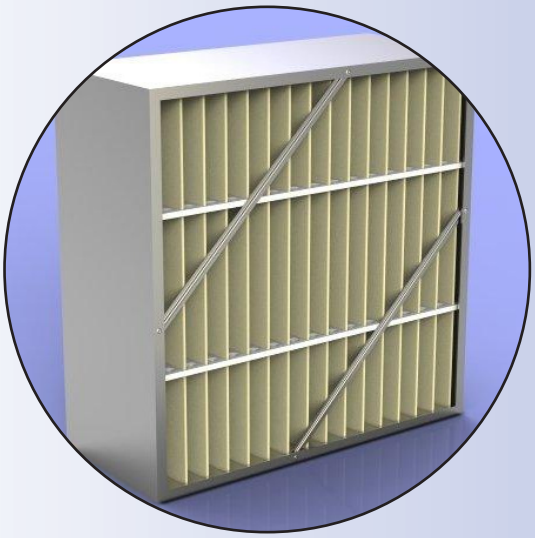


# Z-PAK® SERIES
## High Efficiency Rigid Cell

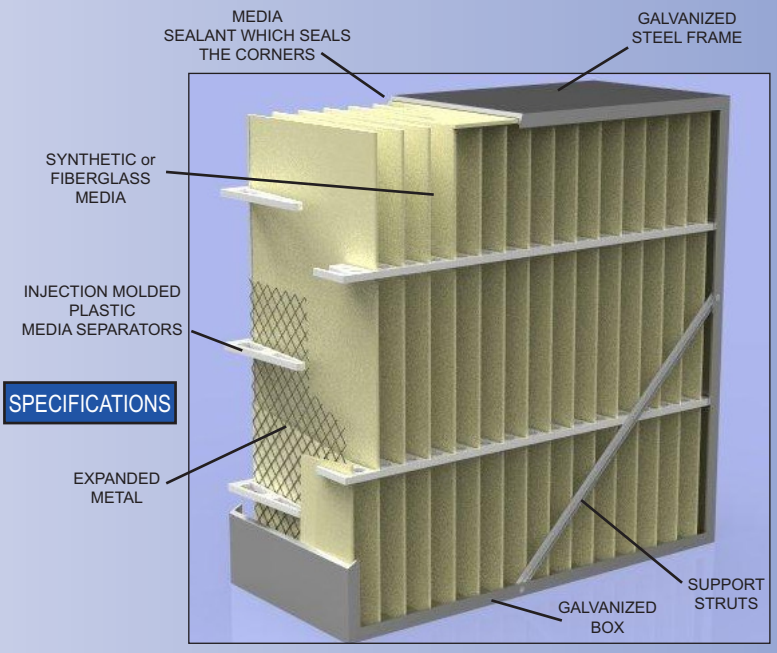
- Synthetic or Fiberglass Media Available
- Injection Molded Pleat Separators
- Header or Box Styles
- High Dust Holding Capacity
- Ideal for VAV Systems

FEATURES >

Glasfloss Z-Pak air filters are designed for medium and high efficiency applications and offer superior service life. The Z-Pak's total rigid construction makes it ideal for variable air volume systems (VAV), where changes in air flow can have an adverse affect on non-rigid type filters. Z-Pak filters are available with fiberglass or synthetic media in four efficiency performance levels: 40-45%, 60-65%, 80-85% and 90-95%. The Z-Pak is available in a variety of filter face dimensions with two optional depths.

< SPECIFICATIONS

The Glasfloss Z-Pak Series frame shall be a rigid construction of 26 gauge galvanized steel. A heavy gauge, galvanized steel header is optional for the Z-Pak Series. The media shall be a high density synthetic fiber or a microfine glass fiber. The filter media pack shall be constructed by pleating a continuous sheet of media into uniform spaced pleats, which are separated by flame retardant, injection molded plastic media separators. A heavy-duty expanded metal reinforcement shall be laminated to the air exit side of the media by a thermo-setting adhesive to maintain continuity of the radial pleats. The expanded metal shall be galvanized to resist rust and corrosion. Metal vertical brackets shall be utilized to stabilize the media pack and prevent air bypass. The air entry and air exit side shall be fitted with two 26 gauge support struts. The pleated media ends are sealed to the top and bottom of the metal frame to prevent air bypass. Gasket material, 3/4" in width and 1/4" in thickness, is optional. Glasfloss Z-Pak series filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit. Glasfloss Z-Pak filters shall be Classified under U.L. std. 900.




| Efficiency | 40-45% | 60-65% | 80-85% | 90-95% |
|---|---|---|---|---|
| MERV | 9 | 11 | 13 | 14 |

Glasfloss®

THE CLEAR CHOICE SINCE 1936

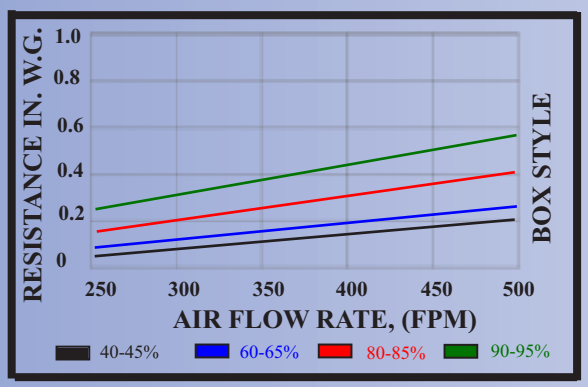
# Z-PAK SYNTHETIC SERIES

| BASE MODEL NUMBER | SIZE W x H x D NOMINAL | SIZE W x H x D EXACT | RATED VELOCITY FPM | INITIAL RESIST. IN. W.G. | | FINAL RESIST. IN. WG. | MEDIA SQUARE FEET |
|---|---|---|---|---|---|---|---|
| | | | | BOX | HEADER | | |
| **90-95% Efficiency - MERV 14** | | | | | | | |
| ZPS242412 | 24 X 24 X 12 | 23-3/8 X 23-3/8 X 11-1/2 | 500 | .55 | .65 | 1.50 | 58.33 |
| ZPS122412 | 12 X 24 X 12 | 11-3/8 X 23-3/8 X 11-1/2 | 500 | .55 | .65 | 1.50 | 29.17 |
| ZPS202012 | 20 X 20 X 12 | 19-3/8 X 19-3/8 X 11-1/2 | 500 | .55 | .65 | 1.50 | 42.66 |
| ZPS202412 | 20 X 24 X 12 | 19-3/8 X 23-3/8 X 11-1/2 | 500 | .55 | .65 | 1.50 | 47.40 |
| ZPS252012 | 25 X 20 X 12 | 24-3/8 X 19-3/8 X 11-1/2 | 500 | .55 | .65 | 1.50 | 55.78 |
| ZPS24246 | 24 X 24 X 6 | 23-3/8 X 23-3/8 X 5-7/8 | 250 | .29 | .37 | 1.50 | 26.39 |
| ZPS12246 | 12 X 24 X 6 | 11-3/8 X 23-3/8 X 5-7/8 | 250 | .29 | .37 | 1.50 | 13.20 |
| ZPS20206 | 20 X 20 X 6 | 19-3/8 X 19-3/8 X 5-7/8 | 250 | .29 | .37 | 1.50 | 19.30 |
| ZPS20246 | 20 X 24 X 6 | 19-3/8 X 23-3/8 X 5-7/8 | 250 | .29 | .37 | 1.50 | 21.45 |
| ZPS25206 | 25 X 20 X 6 | 24-3/8 X 19-3/8 X 5-7/8 | 250 | .29 | .37 | 1.50 | 25.24 |
| **80-85% Efficiency - MERV 13** | | | | | | | |
| ZPS242412 | 24 X 24 X 12 | 23-3/8 X 23-3/8 X 11-1/2 | 500 | .40 | .54 | 1.50 | 58.33 |
| ZPS122412 | 12 X 24 X 12 | 11-3/8 X 23-3/8 X 11-1/2 | 500 | .40 | .54 | 1.50 | 29.17 |
| ZPS202012 | 20 X 20 X 12 | 19-3/8 X 19-3/8 X 11-1/2 | 500 | .40 | .54 | 1.50 | 42.66 |
| ZPS202412 | 20 X 24 X 12 | 19-3/8 X 23-3/8 X 11-1/2 | 500 | .40 | .54 | 1.50 | 47.40 |
| ZPS252012 | 25 X 20 X 12 | 24-3/8 X 19-3/8 X 11-1/2 | 500 | .40 | .54 | 1.50 | 55.78 |
| ZPS24246 | 24 X 24 X 6 | 23-3/8 X 23-3/8 X 5-7/8 | 250 | .22 | .28 | 1.50 | 26.39 |
| ZPS12246 | 12 X 24 X 6 | 11-3/8 X 23-3/8 X 5-7/8 | 250 | .22 | .28 | 1.50 | 13.20 |
| ZPS20206 | 20 X 20 X 6 | 19-3/8 X 19-3/8 X 5-7/8 | 250 | .22 | .28 | 1.50 | 19.30 |
| ZPS20246 | 20 X 24 X 6 | 19-3/8 X 23-3/8 X 5-7/8 | 250 | .22 | .28 | 1.50 | 21.45 |
| ZPS25206 | 25 X 20 X 6 | 24-3/8 X 19-3/8 X 5-7/8 | 250 | .22 | .28 | 1.50 | 25.24 |
| **60-65% Efficiency - MERV 11** | | | | | | | |
| ZPS242412 | 24 X 24 X 12 | 23-3/8 X 23-3/8 X 11-1/2 | 500 | .24 | .34 | 1.50 | 58.33 |
| ZPS122412 | 12 X 24 X 12 | 11-3/8 X 23-3/8 X 11-1/2 | 500 | .24 | .34 | 1.50 | 29.17 |
| ZPS202012 | 20 X 20 X 12 | 19-3/8 X 19-3/8 X 11-1/2 | 500 | .24 | .34 | 1.50 | 42.66 |
| ZPS202412 | 20 X 24 X 12 | 19-3/8 X 23-3/8 X 11-1/2 | 500 | .24 | .34 | 1.50 | 47.40 |
| ZPS252012 | 25 X 20 X 12 | 24-3/8 X 19-3/8 X 11-1/2 | 500 | .24 | .34 | 1.50 | 55.78 |
| ZPS24246 | 24 X 24 X 6 | 23-3/8 X 23-3/8 X 5-7/8 | 250 | .14 | .22 | 1.50 | 26.39 |
| ZPS12246 | 12 X 24 X 6 | 11-3/8 X 23-3/8 X 5-7/8 | 250 | .14 | .22 | 1.50 | 13.20 |
| ZPS20206 | 20 X 20 X 6 | 19-3/8 X 19-3/8 X 5-7/8 | 250 | .14 | .22 | 1.50 | 19.30 |
| ZPS20246 | 20 X 24 X 6 | 19-3/8 X 23-3/8 X 5-7/8 | 250 | .14 | .22 | 1.50 | 21.45 |
| ZPS25206 | 25 X 20 X 6 | 24-3/8 X 19-3/8 X 5-7/8 | 250 | .14 | .22 | 1.50 | 25.24 |
| **40-45% Efficiency - MERV 9** | | | | | | | |
| ZPS242412 | 24 X 24 X 12 | 23-3/8 X 23-3/8 X 11-1/2 | 500 | .20 | .25 | 1.50 | 58.33 |
| ZPS122412 | 12 X 24 X 12 | 11-3/8 X 23-3/8 X 11-1/2 | 500 | .20 | .25 | 1.50 | 29.17 |
| ZPS202012 | 20 X 20 X 12 | 19-3/8 X 19-3/8 X 11-1/2 | 500 | .20 | .25 | 1.50 | 42.66 |
| ZPS202412 | 20 X 24 X 12 | 19-3/8 X 23-3/8 X 11-1/2 | 500 | .20 | .25 | 1.50 | 47.40 |
| ZPS252012 | 25 X 20 X 12 | 24-3/8 X 19-3/8 X 11-1/2 | 500 | .20 | .25 | 1.50 | 55.78 |
| ZPS24246 | 24 X 24 X 6 | 23-3/8 X 23-3/8 X 5-7/8 | 250 | .11 | .16 | 1.50 | 26.39 |
| ZPS12246 | 12 X 24 X 6 | 11-3/8 X 23-3/8 X 5-7/8 | 250 | .11 | .16 | 1.50 | 13.20 |
| ZPS20206 | 20 X 20 X 6 | 19-3/8 X 19-3/8 X 5-7/8 | 250 | .11 | .16 | 1.50 | 19.30 |
| ZPS20246 | 20 X 24 X 6 | 19-3/8 X 23-3/8 X 5-7/8 | 250 | .11 | .16 | 1.50 | 21.45 |
| ZPS25206 | 25 X 20 X 6 | 24-3/8 X 19-3/8 X 5-7/8 | 250 | .11 | .16 | 1.50 | 25.24 |

Tolerances shall be +/- 1/16" for width and height. The frame depth shall not exceed 5-7/8" and 11-1/2". All special sizes will be undersized 1/4" unless specified otherwise. Header thickness shall be 13/16". Performance values based on ASHRAE and in-house testing methods.

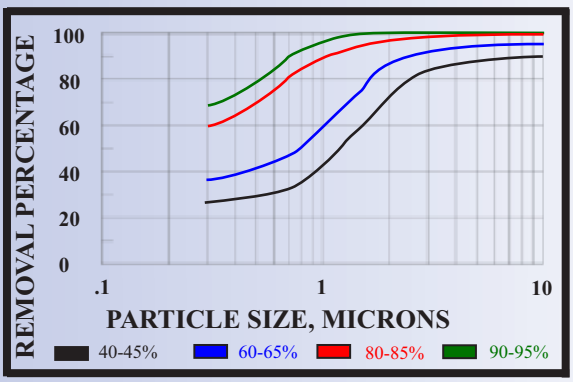
## STANDARD PRESSURE DROP

**Test Filter Size 24" x 24" x 12" Nominal**




## MINIMUM PARTICLE SIZE EFFICIENCY

**Test Filter Size 24" x 24" x 12" Nominal**



Glasfloss®

THE CLEAR CHOICE SINCE 1936

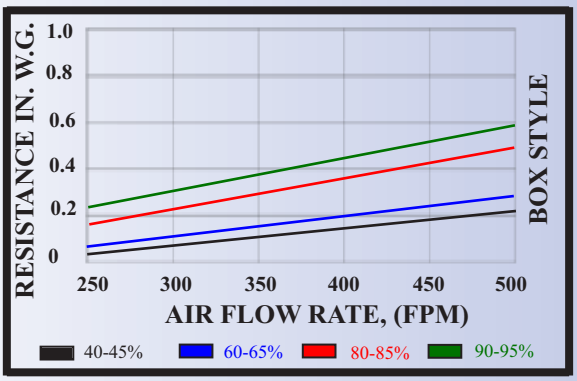
# Z-PAK FIBERGLASS SERIES

| BASE MODEL NUMBER | SIZE W x H x D NOMINAL | SIZE W x H x D EXACT | RATED VELOCITY FPM | INITIAL RESIST. IN. W.G. | | FINAL RESIST. IN. WG. | MEDIA SQUARE FEET |
|---|---|---|---|---|---|---|---|
| | | | | BOX | HEADER | | |
| **90-95% Efficiency - MERV 14** | | | | | | | |
| ZPK242412 | 24 X 24 X 12 | 23-3/8 X 23-3/8 X 11-1/2 | 500 | 0.59 | 0.70 | 1.50 | 58.33 |
| ZPK122412 | 12 X 24 X 12 | 11-3/8 X 23-3/8 X 11-1/2 | 500 | 0.59 | 0.70 | 1.50 | 29.17 |
| ZPK202012 | 20 X 20 X 12 | 19-3/8 X 19-3/8 X 11-1/2 | 500 | 0.59 | 0.70 | 1.50 | 42.66 |
| ZPK202412 | 20 X 24 X 12 | 19-3/8 X 23-3/8 X 11-1/2 | 500 | 0.59 | 0.70 | 1.50 | 47.40 |
| ZPK252012 | 25 X 20 X 12 | 24-3/8 X 19-3/8 X 11-1/2 | 500 | 0.59 | 0.70 | 1.50 | 55.78 |
| ZPK24246 | 24 X 24 X 6 | 23-3/8 X 23-3/8 X 5-7/8 | 250 | 0.31 | 0.41 | 1.50 | 26.39 |
| ZPK12246 | 12 X 24 X 6 | 11-3/8 X 23-3/8 X 5-7/8 | 250 | 0.31 | 0.41 | 1.50 | 13.20 |
| ZPK20206 | 20 X 20 X 6 | 19-3/8 X 19-3/8 X 5-7/8 | 250 | 0.31 | 0.41 | 1.50 | 19.30 |
| ZPK20246 | 20 X 24 X 6 | 19-3/8 X 23-3/8 X 5-7/8 | 250 | 0.31 | 0.41 | 1.50 | 21.45 |
| ZPK25206 | 25 X 20 X 6 | 24-3/8 X 19-3/8 X 5-7/8 | 250 | 0.31 | 0.41 | 1.50 | 25.24 |
| **80-85% Efficiency - MERV 13** | | | | | | | |
| ZPK242412 | 24 X 24 X 12 | 23-3/8 X 23-3/8 X 11-1/2 | 500 | 0.48 | 0.58 | 1.50 | 58.33 |
| ZPK122412 | 12 X 24 X 12 | 11-3/8 X 23-3/8 X 11-1/2 | 500 | 0.48 | 0.58 | 1.50 | 29.17 |
| ZPK202012 | 20 X 20 X 12 | 19-3/8 X 19-3/8 X 11-1/2 | 500 | 0.48 | 0.58 | 1.50 | 42.66 |
| ZPK202412 | 20 X 24 X 12 | 19-3/8 X 23-3/8 X 11-1/2 | 500 | 0.48 | 0.58 | 1.50 | 47.40 |
| ZPK252012 | 25 X 20 X 12 | 24-3/8 X 19-3/8 X 11-1/2 | 500 | 0.48 | 0.58 | 1.50 | 55.78 |
| ZPK24246 | 24 X 24 X 6 | 23-3/8 X 23-3/8 X 5-7/8 | 250 | 0.26 | 0.35 | 1.50 | 26.39 |
| ZPK12246 | 12 X 24 X 6 | 11-3/8 X 23-3/8 X 5-7/8 | 250 | 0.26 | 0.35 | 1.50 | 13.20 |
| ZPK20206 | 20 X 20 X 6 | 19-3/8 X 19-3/8 X 5-7/8 | 250 | 0.26 | 0.35 | 1.50 | 19.30 |
| ZPK20246 | 20 X 24 X 6 | 19-3/8 X 23-3/8 X 5-7/8 | 250 | 0.26 | 0.35 | 1.50 | 21.45 |
| ZPK25206 | 25 X 20 X 6 | 24-3/8 X 19-3/8 X 5-7/8 | 250 | 0.26 | 0.35 | 1.50 | 25.24 |
| **60-65% Efficiency - MERV 11** | | | | | | | |
| ZPK242412 | 24 X 24 X 12 | 23-3/8 X 23-3/8 X 11-1/2 | 500 | .32 | .48 | 1.50 | 58.33 |
| ZPK122412 | 12 X 24 X 12 | 11-3/8 X 23-3/8 X 11-1/2 | 500 | .32 | .48 | 1.50 | 29.17 |
| ZPK202012 | 20 X 20 X 12 | 19-3/8 X 19-3/8 X 11-1/2 | 500 | .32 | .48 | 1.50 | 42.66 |
| ZPK202412 | 20 X 24 X 12 | 19-3/8 X 23-3/8 X 11-1/2 | 500 | .32 | .48 | 1.50 | 47.40 |
| ZPK252012 | 25 X 20 X 12 | 24-3/8 X 19-3/8 X 11-1/2 | 500 | .32 | .48 | 1.50 | 55.78 |
| ZPK24246 | 24 X 24 X 6 | 23-3/8 X 23-3/8 X 5-7/8 | 250 | .21 | .28 | 1.50 | 26.39 |
| ZPK12246 | 12 X 24 X 6 | 11-3/8 X 23-3/8 X 5-7/8 | 250 | .21 | .28 | 1.50 | 13.20 |
| ZPK20206 | 20 X 20 X 6 | 19-3/8 X 19-3/8 X 5-7/8 | 250 | .21 | .28 | 1.50 | 19.30 |
| ZPK20246 | 20 X 24 X 6 | 19-3/8 X 23-3/8 X 5-7/8 | 250 | .21 | .28 | 1.50 | 21.45 |
| ZPK25206 | 25 X 20 X 6 | 24-3/8 X 19-3/8 X 5-7/8 | 250 | .21 | .28 | 1.50 | 25.24 |
| **40-45% Efficiency - MERV 9** | | | | | | | |
| ZPK242412 | 24 X 24 X 12 | 23-3/8 X 23-3/8 X 11-1/2 | 500 | .22 | .27 | 1.50 | 58.33 |
| ZPK122412 | 12 X 24 X 12 | 11-3/8 X 23-3/8 X 11-1/2 | 500 | .22 | .27 | 1.50 | 29.17 |
| ZPK202012 | 20 X 20 X 12 | 19-3/8 X 19-3/8 X 11-1/2 | 500 | .22 | .27 | 1.50 | 42.66 |
| ZPK202412 | 20 X 24 X 12 | 19-3/8 X 23-3/8 X 11-1/2 | 500 | .22 | .27 | 1.50 | 47.40 |
| ZPK252012 | 25 X 20 X 12 | 24-3/8 X 19-3/8 X 11-1/2 | 500 | .22 | .27 | 1.50 | 55.78 |
| ZPK24246 | 24 X 24 X 6 | 23-3/8 X 23-3/8 X 5-7/8 | 250 | .13 | .18 | 1.50 | 26.39 |
| ZPK12246 | 12 X 24 X 6 | 11-3/8 X 23-3/8 X 5-7/8 | 250 | .13 | .18 | 1.50 | 13.20 |
| ZPK20206 | 20 X 20 X 6 | 19-3/8 X 19-3/8 X 5-7/8 | 250 | .13 | .18 | 1.50 | 19.30 |
| ZPK20246 | 20 X 24 X 6 | 19-3/8 X 23-3/8 X 5-7/8 | 250 | .13 | .18 | 1.50 | 21.45 |
| ZPK25206 | 25 X 20 X 6 | 24-3/8 X 19-3/8 X 5-7/8 | 250 | .13 | .18 | 1.50 | 25.24 |

Tolerances shall be +/- 1/16" for width and height. The frame depth shall not exceed 5-7/8" and 11-1/2". All special sizes will be undersized 1/4" unless specified otherwise. Header thickness shall be 13/16". Performance values based on ASHRAE and in-house testing methods.

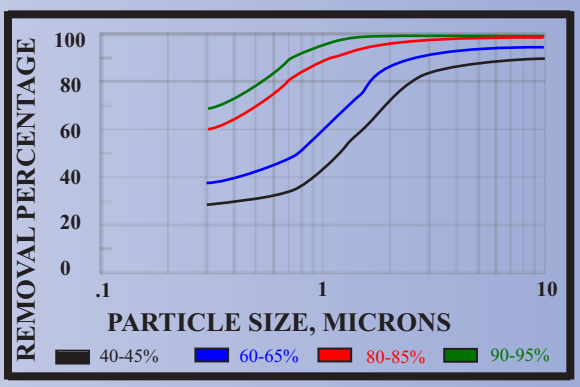
## STANDARD PRESSURE DROP

**Test Filter Size 24" x 24" x 12" Nominal**




## MINIMUM PARTICLE SIZE EFFICIENCY

**Test Filter Size 24" x 24" x 12" Nominal**



Glasfloss®

THE CLEAR CHOICE SINCE 1936

## PART NUMBER CONFIGURATION

**PREFIX**
ZP

**MEDIA**
S = SYNTHETIC
K = FIBERGLASS

**FILTER SIZE**
NUMERICAL SIZE OF FILTER
i.e 242412

**EFFICIENCY**
45 = 40-45%
65 = 60-65%
85 = 80-85%
95 = 90-95%

**FRAME STYLE**
B = BOX
H = HEADER
DH = DOUBLE HEADER

**GASKET LOCATION**
O = NO GASKET

**BOX STYLE**
A = AIR EXIT
B = AIR ENTRY
C = AIR ENTRY/EXIT
D = SIDE LOAD

**SINGLE HEADER**
E = AIR ENTRY/EXIT
F = AIR ENTRY
H = AIR EXIT
J = SIDE LOAD

**DOUBLE HEADER**
K = AIR ENTRY/EXIT
M = AIR ENTRY
P = AIR EXIT
Q = SIDE LOAD

## > Z-PAK SERIES FILTERS

- High Efficiency Synthetic or Fiberglass Media
- Ideal for Variable Air Volume Systems
- 6” and 12” Depths
- Available with Box or Header Construction
- Ideal for High Humidity Applications (Synthetic Series)
- Spring Clip Holes (box style)

Glasfloss Z-PAK Series incorporates media that is color coded to identify efficiency:

90-95% Yellow
80-85% Pink
60-65% Orange
40-45%*

*Tan/Yellow (Fiberglass), White (Synthetic)

MADE IN U. S. A.

Distributed by:

NAFA National Air Filtration Association

ENERGY STAR PARTNER