

Product Highlights

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

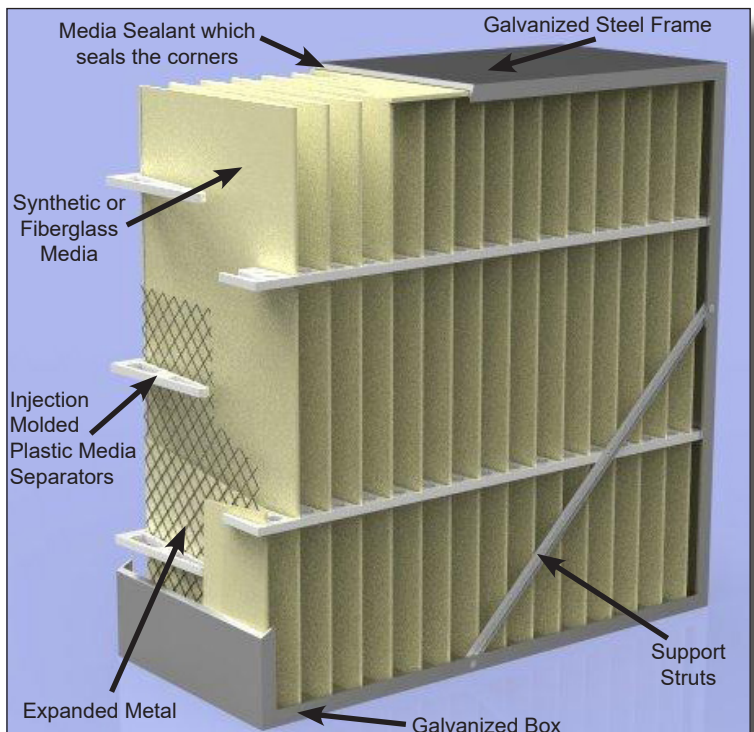
Features

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: MERV 9 (40-45%), MERV 11 (60-65%), MERV 13 (80-85%) and MERV 14 / 15 (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 (Synthetic only)	11	13	14/15



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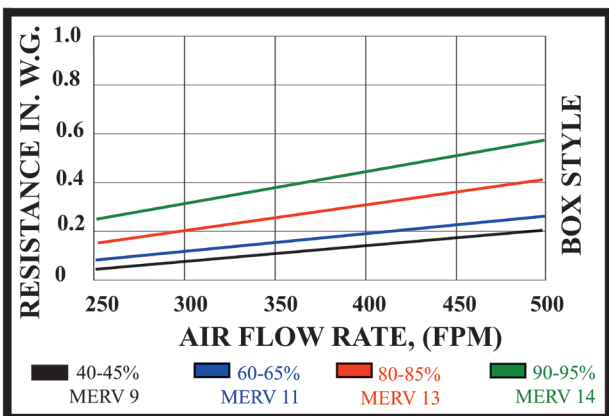
Z-PAK® SYNTHETIC SERIES

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. W.G.	MEDIA SQUARE FOOT
				BOX	HEADER		
MERV 14 (90-95% Efficiency)							
ZPS242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	0.55	0.65	1.50	58.33
ZPS122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	0.55	0.65	1.50	29.17
ZPS202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	0.55	0.65	1.50	42.66
ZPS202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	0.55	0.65	1.50	47.40
ZPS252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	0.55	0.65	1.50	55.78
ZPS24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	0.29	0.37	1.50	26.39
ZPS12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	0.29	0.37	1.50	13.20
ZPS20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	0.29	0.37	1.50	19.30
ZPS20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	0.29	0.37	1.50	21.45
ZPS25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	0.29	0.37	1.50	25.24
MERV 13 (80-85% Efficiency)							
ZPS242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	0.40	0.54	1.50	58.33
ZPS122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	0.40	0.54	1.50	29.17
ZPS202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	0.40	0.54	1.50	42.66
ZPS202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	0.40	0.54	1.50	47.40
ZPS252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	0.40	0.54	1.50	55.78
ZPS24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	0.22	0.28	1.50	26.39
ZPS12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	0.22	0.28	1.50	13.20
ZPS20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	0.22	0.28	1.50	19.30
ZPS20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	0.22	0.28	1.50	21.45
ZPS25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	0.22	0.28	1.50	25.24
MERV 11 (60-65% Efficiency)							
ZPS242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	0.24	0.34	1.50	58.33
ZPS122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	0.24	0.34	1.50	29.17
ZPS202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	0.24	0.34	1.50	42.66
ZPS202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	0.24	0.34	1.50	47.40
ZPS252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	0.24	0.34	1.50	55.78
ZPS24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	0.14	0.22	1.50	26.39
ZPS12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	0.14	0.22	1.50	13.20
ZPS20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	0.14	0.22	1.50	19.30
ZPS20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	0.14	0.22	1.50	21.45
ZPS25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	0.14	0.22	1.50	25.24
MERV 9 (40-45% Efficiency)							
ZPS242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	0.20	0.25	1.50	58.33
ZPS122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	0.20	0.25	1.50	29.17
ZPS202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	0.20	0.25	1.50	42.66
ZPS202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	0.20	0.25	1.50	47.40
ZPS252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	0.20	0.25	1.50	55.78
ZPS24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	0.11	0.16	1.50	26.39
ZPS12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	0.11	0.16	1.50	13.20
ZPS20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	0.11	0.16	1.50	19.30
ZPS20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	0.11	0.16	1.50	21.45
ZPS25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	0.11	0.16	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.

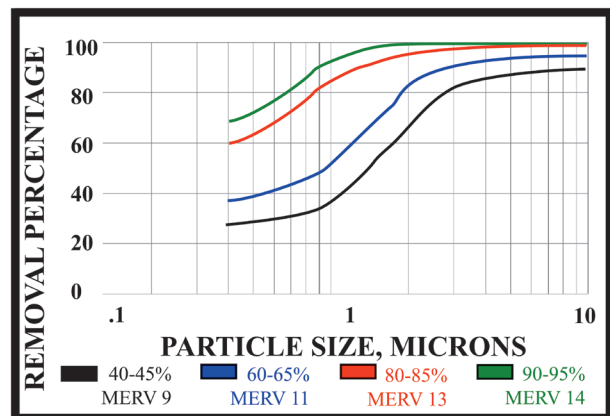
STANDARD PRESSURE DROP

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



MINIMUM PARTICLE SIZE EFFICIENCY

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



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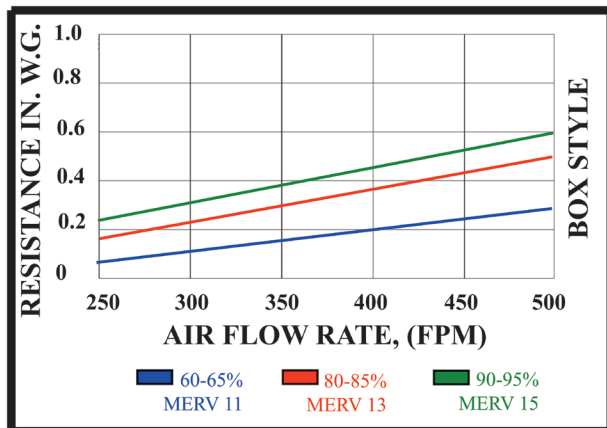
Z-PAK® FIBERGLASS SERIES

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. W.G.	MEDIA SQUARE FOOT
				BOX	HEADER		
MERV 15 (90-95% Efficiency)							
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
MERV 13 (80-85% Efficiency)							
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
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MERV 11 (60-65% Efficiency)							
ZPK242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	0.32	0.48	1.50	58.33
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ZPK20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	0.21	0.28	1.50	21.45
ZPK25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	0.21	0.28	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.

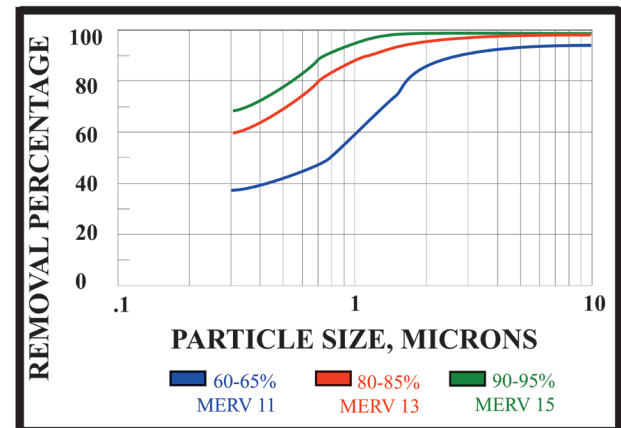
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Test Filter Size 24" x 24" x 12" Nominal



MINIMUM PARTICLE SIZE EFFICIENCY

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PART NUMBER CONFIGURATION





PREFIX	MEDIA	FILTER SIZE	EFFICIENCY	FRAME STYLE	GASKET LOCATION		
ZP	S=Synthetic K=Fiberglass	Numerical Filter Size i.e. 242412	45=40-45% MERV 9 65=60-65% MERV 11 85=80-85% MERV 13 95=90-95% MERV 14/15	B = Box H=Header DH=Double Header	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

Example: Synthetic, 24 x 24 x 12, 95%, box frame, gasket on air exit
PART NUMBER = "ZPS24241295BA"

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%	MERV 15	Yellow	
80-85%	MERV 13	Pink	
60-65%	MERV 11	Orange	
40-45%	MERV 9	*White	
*Synthetic only			

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