



Z-LINE® SERIES MR-13

Environmentally Friendly!

> **FEATURES**

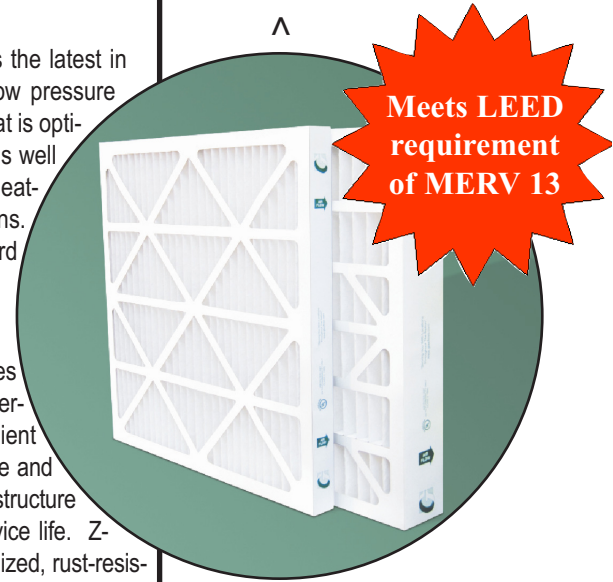
The Glasfloss Z-Line Series MR-13 pleated air filter features the latest in media technology to achieve MERV 13 while maintaining low pressure drop and good service life. The new Z-Line Series MR-13 pleat is optimized for "LEED" compliance in new and existing buildings as well as providing a cost-effective upgrade from lower efficiency pleated filters for a variety of commercial and industrial applications. The Z-Line Series MR-13 pleat is available in many standard face dimensions in 1", 2" and 4" depths.

> **CONSTRUCTION**

Glasfloss Z-Line Series MR-13 filtration media incorporates 100% synthetic fibers which are electrostatically charged, thermally bonded and are manufactured in an engineered gradient structure. The thermally-bonded fibers do not absorb moisture and will not support microbial growth. The engineered grading structure media supports high dust-holding capacity and long filter service life. Z-Line Series MR-13 media is laminated to a heavy-duty, galvanized, rust-resistant metal backing that stabilizes the media during operation. The pleats are formed in a radial configuration to ensure proper dust-loading. The pleated media pack is adhered to the peripheral interior of a heavy-duty beverage-board die-cut frame to prevent air bypass. The beverage-board frame creates a double-wall thickness around the perimeter of the filter.

> **APPLICATIONS**

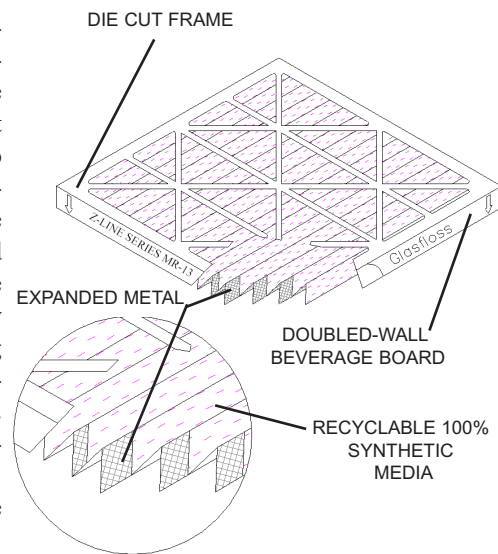
The Glasfloss Z-Line Series MR-13 was developed to comply with "LEED" standards in new and existing buildings. Additionally, the Z-Line Series MR-13 is a cost effective upgrade from standard pleated filters, poly ring panels and other lower efficiency panel filters and can be used in a wide variety of existing applications without modification to the existing equipment.



- MERV 13
- Electrostatically-Charged 100% Synthetic Media
- Heavy-duty Moisture-Resistant Construction
- Standard Size 4" Incorporates Media Separators

> **SPECIFICATIONS**

The Glasfloss Z-Line Series MR-13 air filter shall be of the extended-surface pleated-media type. The media incorporates 100% synthetic fibers that are electrostatically charged. The filter fibers are thermally bonded and manufactured in an engineered gradient structure. An 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. The media shall be pleated in a tapered radial configuration. The pleated cartridge shall be bonded to the peripheral interior of the outer frame. A heavy-duty moisture-resistant beverage board shall be utilized for an encasing frame. The frame shall be internally laminated to the pleated cartridge apexes. Z-Line MR-13 Series filters shall be rated Class 2 under U.L. std. 900. Z-Line MR-13 filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit. Z-Line MR-13 Series filters shall be rated MERV 13 when tested in accordance with the ANSI/ASHRAE 52.2 Test Standard.



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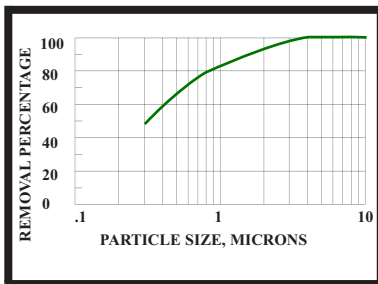


Z-LINE SERIES MR-13 STANDARD SIZE FILTERS

MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCAL
M1310201	10 x 20 x 1	9-1/2 x 19-1/2 x 7/8	300	.52	2.67	254 x 508 x 26	5490	129.53
M1310241	10 x 24 x 1	9-1/2 x 23-3/8 x 7/8	300	.52	3.22	254 x 610 x 26	5490	129.53
M1312201	12 x 20 x 1	11-3/8 x 19-1/2 x 7/8	300	.52	3.29	305 x 508 x 26	5490	129.53
M1312241	12 x 24 x 1	11-3/8 x 23-3/8 x 7/8	300	.52	3.96	305 x 610 x 26	5490	129.53
M1312251	12 x 25 x 1	11-3/8 x 24-1/2 x 7/8	300	.52	4.13	305 x 635 x 26	5490	129.53
M1314201	14 x 20 x 1	13-1/2 x 19-1/2 x 7/8	300	.52	3.91	356 x 508 x 26	5490	129.53
M1314241	14 x 24 x 1	13-1/2 x 23-3/8 x 7/8	300	.52	4.70	356 x 610 x 26	5490	129.53
M1314251	14 x 25 x 1	13-1/2 x 24-1/2 x 7/8	300	.52	4.90	356 x 635 x 26	5490	129.53
M1315201	15 x 20 x 1	14-1/2 x 19-1/2 x 7/8	300	.52	4.11	381 x 508 x 26	5490	129.53
M1316201	16 x 20 x 1	15-1/2 x 19-1/2 x 7/8	300	.52	4.32	406 x 508 x 26	5490	129.53
M1316241	16 x 24 x 1	15-1/2 x 23-1/2 x 7/8	300	.52	5.20	406 x 610 x 26	5490	129.53
M1316251	16 x 25 x 1	15-1/2 x 24-1/2 x 7/8	300	.52	5.41	406 x 635 x 26	5490	129.53
M1318201	18 x 20 x 1	17-1/2 x 19-1/2 x 7/8	300	.52	4.94	457 x 508 x 26	5490	129.53
M1318241	18 x 24 x 1	17-1/2 x 23-3/8 x 7/8	300	.52	5.94	457 x 610 x 26	5490	129.53
M1318251	18 x 25 x 1	17-1/2 x 24-1/2 x 7/8	300	.52	6.19	457 x 635 x 26	5490	129.53
M1320201	20 x 20 x 1	19-5/8 x 19-5/8 x 7/8	300	.52	5.55	508 x 508 x 26	5490	129.53
M1320221	20 x 22 x 1	19-5/8 x 21-1/2 x 7/8	300	.52	6.15	508 x 111 x 26	5490	129.53
M1320241	20 x 24 x 1	19-5/8 x 23-3/8 x 7/8	300	.52	6.68	508 x 610 x 26	5490	129.53
M1320251	20 x 25 x 1	19-5/8 x 24-1/2 x 7/8	300	.52	6.96	508 x 635 x 26	5490	129.53
M1320301	20 x 30 x 1	19-5/8 x 29-5/8 x 7/8	300	.52	8.23	508 x 508 x 26	5490	129.53
M1324241	24 x 24 x 1	23-3/8 x 23-3/8 x 7/8	300	.52	7.92	610 x 610 x 26	5490	129.53
M1324301	24 x 30 x 1	23-3/8 x 29-5/8 x 7/8	300	.52	9.90	610 x 111 x 26	5490	129.53
M1325251	25 x 25 x 1	24-1/2 x 24-1/2 x 7/8	300	.52	8.51	635 x 635 x 26	5490	129.53
M1310202	10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	500	.43	6.24	254 x 508 x 51	9150	106.98
M1312202	12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	.43	7.20	305 x 508 x 51	9150	106.98
M1312242	12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	500	.43	8.66	305 x 610 x 51	9150	106.98
M1314202	14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	500	.43	8.64	356 x 508 x 51	9150	106.98
M1314252	14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	500	.43	10.83	356 x 635 x 51	9150	106.98
M1315202	15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	500	.43	9.12	381 x 508 x 51	9150	106.98
M1316202	16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	500	.43	9.60	406 x 508 x 51	9150	106.98
M1316242	16 x 24 x 2	15-1/2 x 23-1/2 x 1-3/4	500	.43	11.55	406 x 610 x 51	9150	106.98
M1316252	16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	500	.43	12.03	406 x 635 x 51	9150	106.98
M1318202	18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	.43	11.04	457 x 508 x 51	9150	106.98
M1318242	18 x 24 x 2	17-1/2 x 23-1/2 x 1-3/4	500	.43	13.28	457 x 610 x 51	9150	106.98
M1318252	18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	.43	13.84	457 x 635 x 51	9150	106.98
M1320202	20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	.43	12.00	508 x 508 x 51	9150	106.98
M1320242	20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	.43	14.43	508 x 610 x 51	9150	106.98
M1320252	20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	.43	15.04	508 x 635 x 51	9150	106.98
M1320302	20 x 30 x 2	19-5/8 x 29-5/8 x 1-3/4	500	.43	18.24	508 x 762 x 51	9150	106.98
M1324242	24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	.43	17.61	610 x 610 x 51	9150	106.98
M1325252	25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	.43	18.65	635 x 635 x 51	9150	106.98
M1312244	12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	500	.37	13.61	305 x 610 x 102	9150	91.76
M1316204	16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	500	.37	15.43	406 x 508 x 102	9150	91.76
M1316254	16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	500	.37	19.34	406 x 635 x 102	9150	91.76
M1318244	18 x 24 x 4	17-1/2 x 23-1/2 x 3-3/4	500	.37	21.03	457 x 610 x 102	9150	91.76
M1320204	20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	.37	18.52	508 x 508 x 102	9150	91.76
M1320244	20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	.37	22.27	508 x 610 x 102	9150	91.76
M1320254	20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	.37	23.20	508 x 635 x 102	9150	91.76
M1324244	24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	.37	27.21	610 x 610 x 102	9150	91.76

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w.g.

MINIMUM PARTICLE SIZE EFFICIENCY



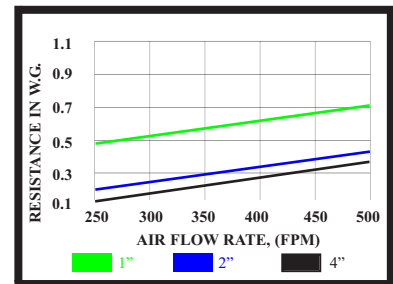
GLASFLOSS' COMMITMENT to GREEN



For years, Glasfloss has been designing air filtration products for maximum energy savings and environmental benefits in HVAC systems. Now more than ever, our commitment to Green products and manufacturing processes is at the heart of our company. For more information on Glasfloss Green products and LEED project certification options, please contact your Glasfloss Sales Representative.



STANDARD PRESSURE DROP



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