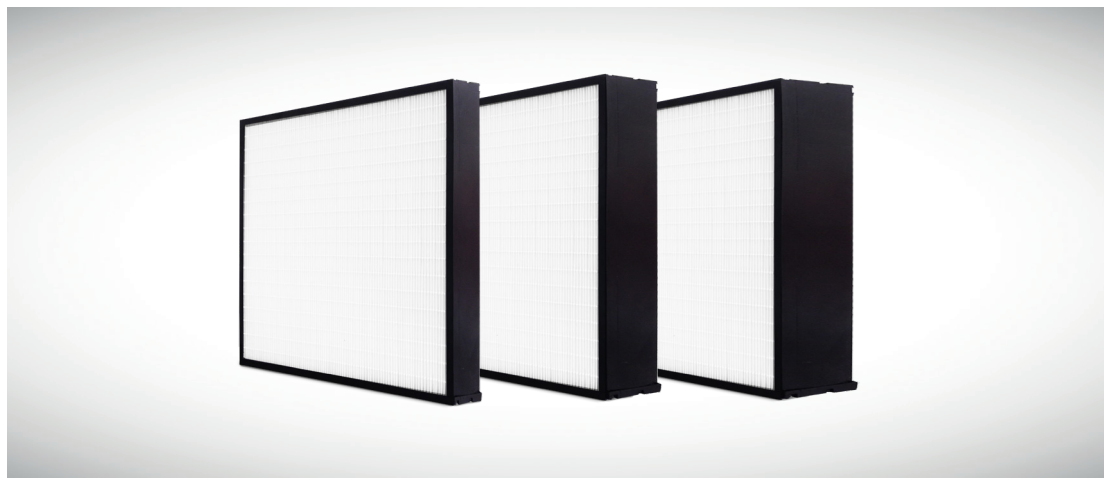


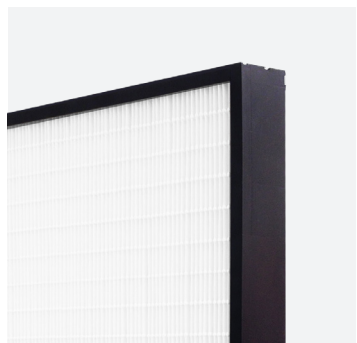
Thin Line Ultra Max HVAC Mini Pleat Filters

FEATURES

- Extra tough construction
- Extra tough durable media
- High burst strength
- Low pressure drop
- High dust holding capacity
- Extended surface
- MERV 13 efficiency
- Available in 2, 4, & 6 inch depths
- Available in 4 & 6 inch box style & single header



TL ULTRA MAX CONSTRUCTION & APPLICATIONS



Up close view of TL Ultra Max plastic frame

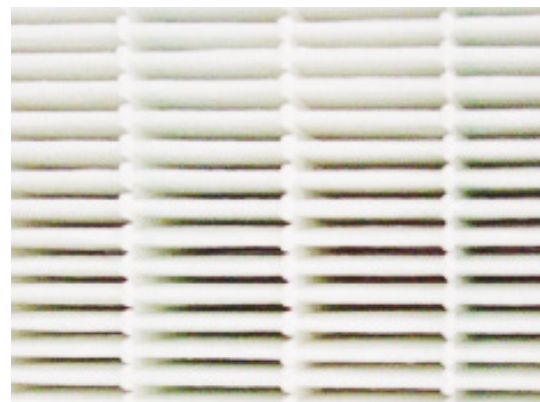
The Thin Line Series filters are extended surface mini pleat filters with synthetic media created for use in commercial and industrial applications where medium to high efficiency filtration is necessary.

The TL Ultra Max features media manufactured by MANN+HUMMEL that creates a robust filter with high burst strength. The TL Ultra Max is available in 2, 4 and 6 inch depths and available in different styles, 4 & 6 inch box style and single header.

The TL Ultra Max features high MERV 13 performance and low pressure drop to maximize energy savings. The TL Ultra Max also offers high dust holding capacity that translates into an extended service life.

The Thin Line Ultra Max extended surface mini pleat filters were created for use in commercial and industrial applications where medium to high

efficiency filtration is necessary. Applications such as hospitals, healthcare, pharmaceutical manufacturing, data centers, and other commercial functions could benefit from the use of our Thin Line Ultra Max filters.



Innovative mini pleat technology

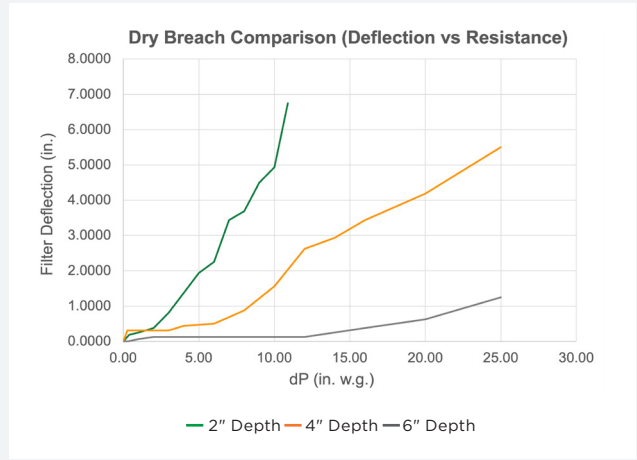
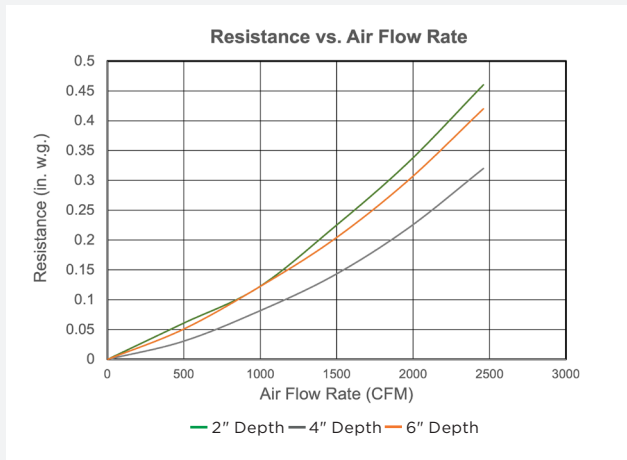
THIN LINE ULTRA MAX M13
PERFORMANCE DATA

Nominal Depth	Nominal Size (in.) (WxHxD)	Actual Size (in.)		Depth	Air Flow @ Capacity (CFM)	Resistance @ Capacity (in. w.g.) - TL Ultra Max
		Width	Height			
2"	12x24x2	11.38	23.38	1.75	1000	0.33
	16x20x2	15.38	19.38		1111	
	16x24x2	15.38	23.38		1333	
	16x25x2	15.38	24.38		1389	
	18x24x2	17.38	23.38		1500	
	20x20x2	19.38	19.38		1389	
	20x24x2	19.38	23.38		1667	
	20x25x2	19.38	24.38		1736	
4"	24x24x2	23.38	23.38	2000		
	12x24x4	11.38	23.38	1000	0.22	
	16x20x4	15.38	23.38	1111		
	16x24x4	15.38	23.38	1333		
	16x25x4	15.38	24.38	1389		
	18x24x4	17.38	23.38	1500		
	20x20x4	19.38	19.38	1389		
	20x24x4	19.38	23.38	1667		
20x25x4	19.38	24.38	1736			
6"	24x24x4	23.38	23.38	2000		
	25x25x4	24.38	24.38	2170		
	12x24x6	11.38	23.38	1000	0.30	
	16x20x6	15.38	19.38	1111		
	16x24x6	15.38	23.38	1333		
	16x25x6	15.38	24.38	1389		
	18x24x6	17.38	23.38	1500		
	20x20x6	19.38	19.38	1389		
20x24x6	19.38	23.38	1667			
20x25x6	19.38	24.38	1736			
24x24x6	23.38	23.38	2000			
25x25x6	24.38	24.38	2170			

Notes:
 • Recommended final resistance = 1.50 in. w.g.
 • Performance data is based on ASHRAE Test Standard 52.2 - Appendix J-2017.

TECHNICAL DATA

TL ULTRA MAX



MANN+HUMMEL is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. MANN+HUMMEL products are manufactured to exacting criteria – there can be a ±5% variance in filter performance.

LOCAL REPRESENTATIVE



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