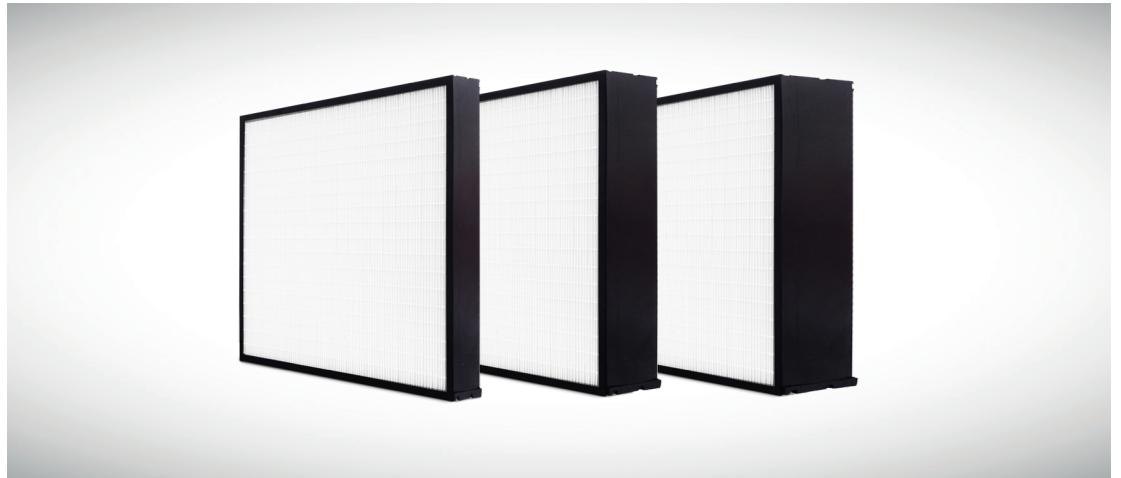


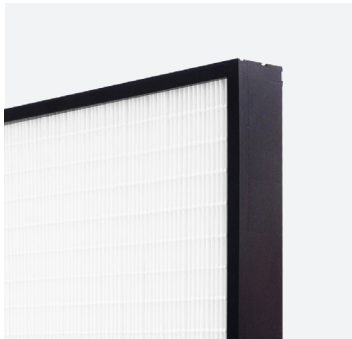
# Thin Line Ultra Max HVAC Mini Pleat Filters

## 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
- Max operating temp: 170°



## TL ULTRA MAX CONSTRUCTION & APPLICATIONS



Up close view of TL Ultra Max plastic frame

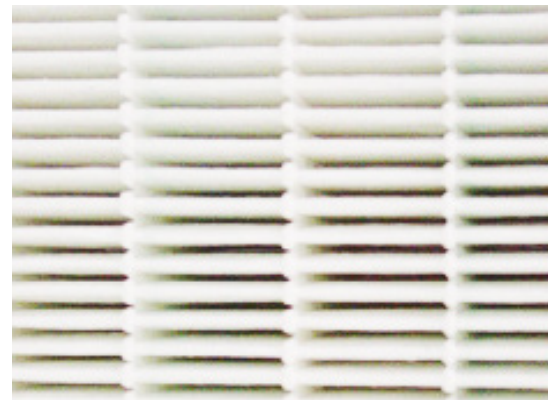
The Thin Line Series filters are extended surface mini pleat filters with synthetic media created for use in commercial and industrial applications where medium to high efficiency filtration is necessary.

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

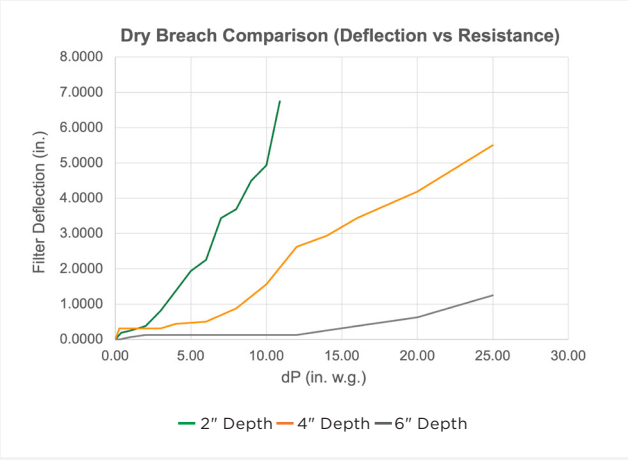
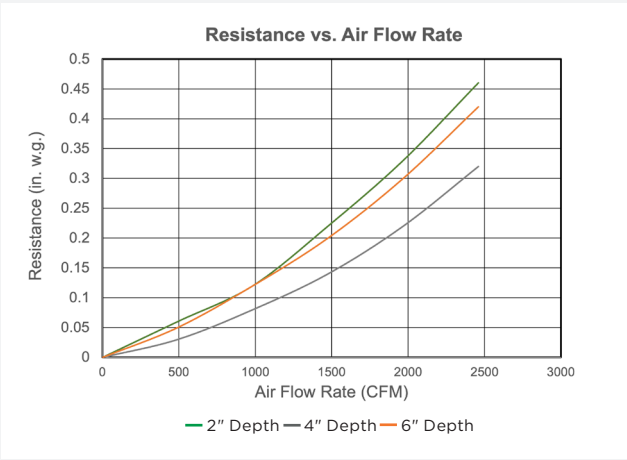
THIN LINE ULTRA MAX M13  
PERFORMANCE DATA

| 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  | 3.75  | 2000                      | 0.22                                            |
|               | 12x24x4                    | 11.38             | 23.38  |       | 1000                      |                                                 |
|               | 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                      |                                                 |
| 6"            | 20x25x4                    | 19.38             | 24.38  | 5.88  | 1736                      | 0.30                                            |
|               | 24x24x4                    | 23.38             | 23.38  |       | 2000                      |                                                 |
|               | 25x25x4                    | 24.38             | 24.38  |       | 2170                      |                                                 |
|               | 12x24x6                    | 11.38             | 23.38  |       | 1000                      |                                                 |
|               | 16x20x6                    | 15.38             | 19.38  |       | 1111                      |                                                 |
|               | 16x24x6                    | 15.38             | 23.38  |       | 1333                      |                                                 |
|               | 16x25x6                    | 15.38             | 24.38  |       | 1389                      |                                                 |
|               | 18x24x6                    | 17.38             | 23.38  |       | 1500                      |                                                 |

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



Tel: 877.752.5811 | [airfiltration.mann-hummel.com/us-en](http://airfiltration.mann-hummel.com/us-en)