



Maxi-Grid Series 550 Filter Engineering Specification

1.0 General

- 1.1 Filters shall be Maxi-Grid Series 550 filter as manufactured by Koch Filter Corporation.
- 1.2 Filters shall be available in a 3-ply configuration.
- 1.3 Filters shall be Underwriters Laboratories Standard 900 Classified.

2.0 Filter Construction and Materials

- 2.1 Media shall be 100% synthetic fibers with a non-migrating tackifier on the downstream layer of media of the filter. Media color, white on the upstream, white on the downstream, (air leaving side of filter marked). Media shall be antimicrobial treated.
- 2.2 Filters shall contain a rust resistant internal steel support wire positioned to provide for a self-sealing installation of the filter. An internal cross wire is provided, when appropriate, (based on filter size), as a standard assembly.
- 2.3 Filters are assembled utilizing a heat seal on the perimeter as well as the center of the filters to prevent media vibration when in use.
- 2.4 Filters are available in a link configuration.

3.0 Filter Performance

- 3.1 Filters shall be available as MERV 8 when tested in accordance with ASHRAE 52.2 – 2007.
- 3.2 Filters shall have an initial pressure drop of 0.33" w. g. @ a flow of 400 fpm, (+/- 10% per A.R.I. Standard).
- 3.3 Filter shall be rated to withstand a continuous operating temperature up to 180 degrees Fahrenheit or 82 degrees Celsius.
- 3.4 Filters shall have a recommended final resistance of 1.0" w. g.