Maxi-Grid Series 300 Filter Engineering Specification

1.0 General
1.1 Filters shall be Maxi-Grid Series 300 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 encapsulated between the 2\textsuperscript{nd} and 3\textsuperscript{rd} layer of media of the filter. Media color, white on the upstream, pink on the downstream.
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 0.28” 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.