

Wiremesh Substrates for Enhanced Particulate Oxidation and Efficient Urea SCR NOx Reduction (P 20)

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Design Targets

- **Low Back Pressure**
- **Low Weight**
- **High Performance**
- **High Value Target**
 - (Performance/Cost)



Wiremesh Substrate Advantages

- **Provides faster improvement of uniformity index through longitudinal and radial flow.**
- **Provides high heat and mass transfer co-efficient and higher molecular collision due to torturous and turbulent flow path**
- **Acts as a static mixer for urea SCR reaction**
- **Avoids crystallization of urea on the substrate**
- **Better performance at any given NH_3 / NO_x ratio due to rapid substrate warm up**
- **Reduces particulates by oxidation**
- **Reduces the back pressure of the system**
- **Provides high thermal shock resistance**
- **Custom flexible for integrated system design**