Diesel Particulate Filter Media
from SELEE Corporation (ISO 9001 Certified)

SELEE Corporation is the leading commercial manufacturer of a wide range of metal foam products and has successfully developed foams which are now sold into a number of demanding applications.

The success of Metpore® EFCS in this application is due to its unique combination of low pressure drop and therefore back pressure, fast thermal response, depth filtration efficiency, physical robustness and SELEE's ability tailor key performance attributes to meet specific customer needs.

Metpore® EFCS offers a patented and proven catalyst support technology to assist designers in developing solutions to meet ever tighter emissions regulations. Low density “tortuous path” structure and unique alloy composition of Metpore® EFCS provides many features and benefits simply not possible with straight channel substitutes. Metpore® EFCS cell geometry provides a significant improvement to conversion efficiency by breaking the boundary layers and therefore extending the area of turbulent flow for greater catalytic activity.

Metpore® EFCS readily accepts any catalyst coating requirement and is familiar to most leading catalyst suppliers and coaters. The density is carefully controlled to meet today’s stringent exhaust flow specifications and offers a durable and cost effective alternative to ceramic substrates. The metal media and cellular construction provide a more robust substrate than ceramic alternatives. Metpore® EFCS enables designers to easily combine porosity, density and shape to engineer the optimum solution for retrofit or new build.

Features of Metpore® EFCS
• Cell structure provides “tortuous path”, deep bed filtration
• Can be produced in a range of metals, pore sizes, densities and shapes
• Density and porosity can be independently modified to optimize filtration and back pressure
• Physical strength to withstand vibration and shock in use as well as in canning
• Foam pieces can be shaped to give designers maximum flexibility
• Manufactured to close dimensional tolerances using low-cost process

Benefits of Metpore® EFCS
• Low pressure drop and fast thermal response makes it ideal for retrofit applications
• High internal surface area and high reactivity enhances catalytic activity
• Optimization of geometric surface area for specific applications via pore size and density
• Low back pressure and high filtration efficiency enables 90% particulate removal
Metpore® EFCS diesel particulate filter media is available from stock in two standard sizes for immediate trial:

- 144 mm diameter x 25 mm thickness
- 160 mm diameter x 25 mm thickness

For more information on how Metpore® EFCS can help your design team meet current and future emission regulations, please contact:

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