MATRIX®
FILTRATION TECHNOLOGY
**Advantages of SELEE Matrix Filters**

- Significantly improved structural integrity compared to ceramic foam.
- Elimination of hollow struts in reticulate foam structure.
- Elimination of loose filter fragments in the shell after autoclaving.

**Engineered Structures**

- More consistent – Reduced flow rate variability
- Flexible filter geometry and cell structure design
- Flexibility to change and control web/ligament thickness
- Variable cell spacing

**Tortuous Cell Structure**

- More effective inclusion removal
Refractory Materials

• Sinter bonded high purity alumina
• MgO- partially stability zirconia (MgO-PSZ)
• Zirconia toughened mullite (ZTM)

Wide Range of Geometries

• Square
• Round
• Rectangular
• Cylindrical radial flow
• Tapered (pouring cup filters)