

## **Ceramic Foam Filters of SELEE® Structure PRZ for Steel Foundries**

- **Clean steel castings**
- **Increased casting yield**
- **Reduced inclusions in castings**
- **Cost savings realized from scrap reduction due to:**
  - *Reduced in-house gross reoxidation defects*
  - *Reduced after-machining sub-surface defects.*

PRZ ceramic foam filters of SELEE® structure are specifically designed to improve casting quality for a wide range of steel grades, including plain carbon, alloy, and stainless steels. Their superior hot strength and thermal shock properties were developed to meet the exacting requirements of typical steel foundry applications. In addition to filtering slag and eroded molding materials, these filters reduce turbulence in the gating system, thus reducing the incidence of reoxidation slag—a major cause for rework.

PRZ ceramic foam filters of SELEE® structure are formulated of a high-fired sinter-bonded zirconia stabilized with magnesia. They are available in a range of standard sizes and shapes, as well as custom sizes and shapes for specific steel foundry needs. To obtain additional information on how they can benefit your steel foundry applications, please contact your local SELEE representative.



- **Provides a tortuous path through the filter, resulting in high filtration efficiencies**
- **Excellent hot temperature strength and thermal shock properties**
- **Effectively filters various grades of steel in all casting applications**
- **Minimizes reoxidation slag by reducing turbulence in the gating system**
- **Available in various standard and customized sizes and shapes**
- **Precision-engineered for superior dimensional tolerances**

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