

## **SELEE® CS-X® - The Next Generation Cast House Filter**

**SELEE® continues to live up to its legacy as “The World Leader in Molten Metal Filtration Technology”.**

SELEE® Corporation invented the ceramic foam filter in 1973 based on a phosphate-bonded alumina (PBA) structure. It has since been widely copied by other suppliers and has become the standard cast house filter in the industry, representing >98% of ceramic foam filters in use. In 2008, SELEE® introduced CS-X®. This next generation ceramic foam filter for aluminum cast houses offers significant advantages over other PBA filters available.



### **Safer and More Environmentally Friendly:**

- Non-RCF Filter - No refractory ceramic fibers in the filter body or gasket.
- Elimination of phosphine gas generation from used filters in the cast house and in disposal.

### **Superior Filtration Performance:**

- More stable filter-metal interface resulting in better inclusion adhesion.
- Significant reduction in filter-metal reaction and associated inclusion releases in magnesium alloys.
- Elimination of hydrogen pick-up across the filter.
- Reduction in filter cracking during preheat and operation resulting from high thermal expansion.
- Improved thermal shock resistance.

### **Transparent Changeover for Cast Houses:**

- Same dimensions and pore sizes as current filters.
- Same preheat, bowls, and operational characteristics.

**For more detailed technical information on filter properties, test results, and field trials, please contact your SELEE representative.**

**SELEE® Corporation**  
700 Shepherd Street  
Hendersonville, NC 28792, USA

+1.828.697.2411 (Main)  
+1.828.694.3450 (Sales)  
+1.800.438.7274 (Toll-Free)  
[customerservice@selee.com](mailto:customerservice@selee.com)  
[www.selee.com](http://www.selee.com)