

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

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 introduces CS-X, the next generation ceramic foam filter for aluminum cast houses, offering significant advantages over the current product.

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



SELEE® CS-X offers the following key benefits over phosphate-bonded alumina filters:

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
Tel: (800) 8438-7274
+1 (828) 697-2411
Fax: +1 (828) 693-1868

SELEE Corp. Europe

Cranfield Innovation Centre
Cranfield Technology Park
Cranfield, MK43 0BT, United Kingdom
Tel: +44 7785 344886
E-mail: sales@selee.com

www.selee.com