

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 introduced 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

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



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