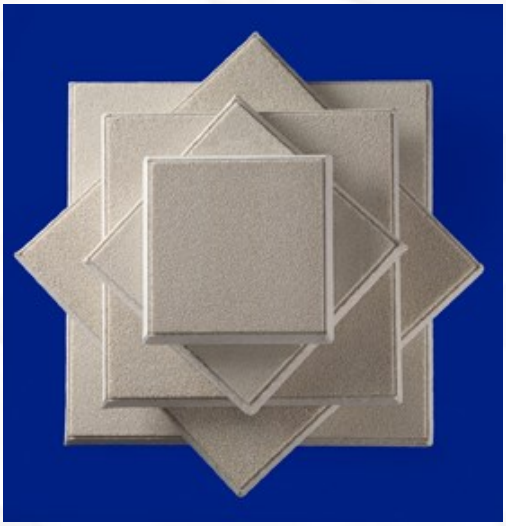
SELEE® CS-X® Cast House Filter with Safeseal® Plus Gasket

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 the 1970s based on a phosphate-bonded alumina (PBA) structure. It has since been widely copied by other suppliers and 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 the PBA filter.



CS-X® is now available with SELEE's Safeseal® Plus gasket. This is the same SafeSeal® expandable non-RCF gasket plus there is reduced smoke generated during filter preheat. CS-X® with SafeSeal® Plus gasket offers an improved working environment for cast house personnel.

SELEE® CS-X® with Safeseal® Plus gasket offers the following key benefits over PBA 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.
- Reduced smoke generated during filter preheat.

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 pickup across the filter.
- Reduction in filter cracking during preheat and operation resulting from high thermal expansion.
- Improved thermal shock resistance

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

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