

Ceramic modules — backwash

People pick ceramic because you can backwash it and clean it with aggressive chemicals. That is the reason this catalog exists next to the PES flagship. Long-term value — municipal plants included.

WHAT YOU CAN SPECIFY

Silicon carbide or alumina. Flat sheet or tube. Both materials, both geometries. SiC is the high-flux class: compact, and almost indestructible. Alumina is the workhorse. Zyramic supplies ceramic modules. Elements are sourced.

WHAT BACKWASH IS

Backwash is reverse flow through the element. The stream sets the recipe — pressure, interval, and chemicals. Zyramic issues that recipe on the quotation. This class note does not invent a psi or a cycle.

Ceramic takes oils and aggressive chemistry that a polymer sheet is not built for. Process design stays with the plant designer unless a separate agreement says otherwise.

ORIGIN AND AMERICAN-BUILT SKIDS

Certified sources. Origin is documented on the module quotation. An R&D program is underway to manufacture ceramic here in the future. American-built skids can meet AIS and BABA, integrating the highest-quality ceramic membranes.

CLASS DATASHEETS

Flat-sheet and tubular class datasheets are on Downloads. Both silicon carbide and alumina come in both geometries. The two sheets split by geometry, not by material. A project-specific quotation is issued against the stream — pore, area, housing, and the backwash recipe.

INQUIRE

Send the stream, temperature, pH, oil, and the cut-off you need. We will say SiC, alumina, or this is still a PES job. Zyramic, Inc., 10 Tucker Dr, Poughkeepsie, NY 12603 USA. +1 845 402 6318. tom@zyramic.com.