

AEGIS® PowerGuard® Septa with Poroplate®

Aegis PowerGuard Septa and specialty strainers with Poroplate laminates are multilayer composites of selected wire cloths, perforated sheets and fiber metal felts permanently bonded together through a diffusion process. The material that results has far greater strength, abrasion resistance and filtration characteristics than can be obtained from a single layer of fine mesh or wedge wire.

PowerGuard Septa with Poroplate is the best choice for critical applications including nuclear reactor water cleanup (RWCU) and fuel pool filters in either new construction or retrofits. PowerGuard Septa can be designed for any manufacturer's system with a variety of hardware configurations.

Features

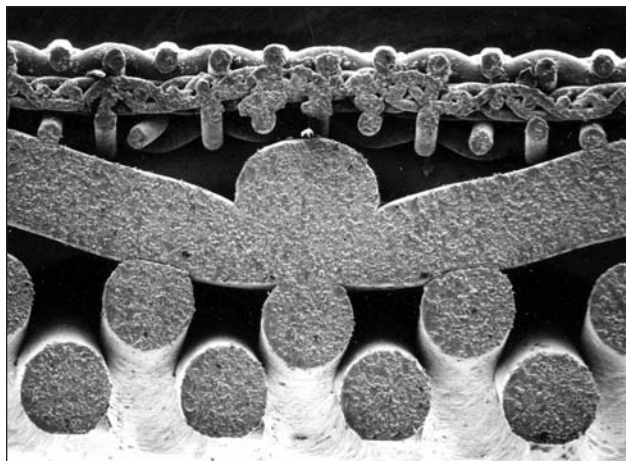
- High strength
- No media migration
- Continuous operating temperature range of -50°C to 550°C (-65°F to 1,000°F)
- Stainless steel construction
- Corrosion resistant
- Filtration from 1 micron to 200 micron
- Custom configurations including layers of perforated plate, fiber metal felts and photo-etched foil
- Abrasion resistant
- Easily fabricated into virtually any shape, size or configuration
- Precise pore size distributions and fluid flow permeability
- Dimensionally stable
- Excellent weldability
- Easily cleaned
- Available in any design for in line resin strainers and vessel underdrain strainers for critical applications



AEGIS® PowerGuard®

Septa with Poroplate®

Actual Cross Section of PowerGuard Media



Protective guard layer

Fine mesh for exacting particle size control

Flow distribution layer

Two coarse back-up layers for strength & rigidity

Poroplate is constructed from layers of selected woven wire cloth, repeatedly and diffusion bonded to form a single monolithic material.

Superior Products & Global Reach

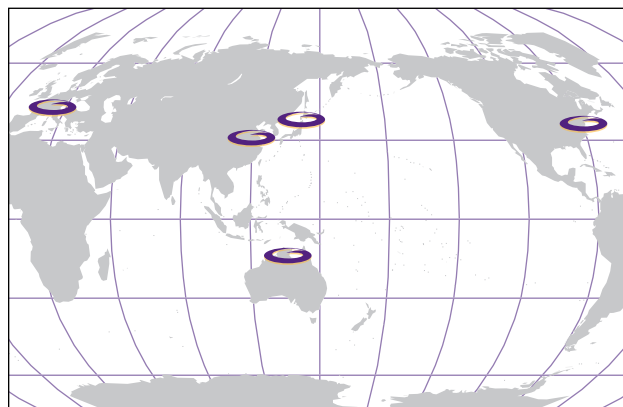
Graver is the global leader in high purity and condensate water treatment for power generation applications. Including both ion exchange and backwashable septa and filters.

Our innovative technology and products enable our customers to consistently meet today's tougher requirements for purity.

Graver's products treat more than 6.5 billion gallons of process water every day in over 38 countries. Over 75 percent of the nuclear powered generation plants, worldwide, use our technology. Graver has achieved this by consistently delivering dependable, high performance technology and products.

Whether your business is around the corner or around the world, Graver Technologies can support you with superior products and services.

Graver Technologies' Worldwide Locations



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ISO 9001:2000
FM 38860