



Graver Technologies

FILTRATION | SEPARATION | PURIFICATION



Aegis® PowerGuard® Septa

*Stainless Steel Septa and Strainers
for Specialty Applications*

Product Specifications

Media:

Stainless Steel

Inner core, end caps, cage:

Stainless Steel

Gaskets/O-Rings:

EPDM

Micron rating:

1–200 µm

Dimensions

Nominal lengths:

50, 60, 70, 80

Outside diameter: As Required

Inside diameter: As Required

Operating Parameters

Maximum operating temperature:

1000°F (550°C)

Graver Aegis PowerGuard Septa and specialty strainers 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 is the best choice for critical applications including condensate, polishing, radioactive waste, nuclear reactor water cleanup (RWCU) and fuel pool filters in either new construction or retrofits. PowerGuard Septa can be designed for any manufacturers system with a variety of hardware configurations.

FEATURES & BENEFITS

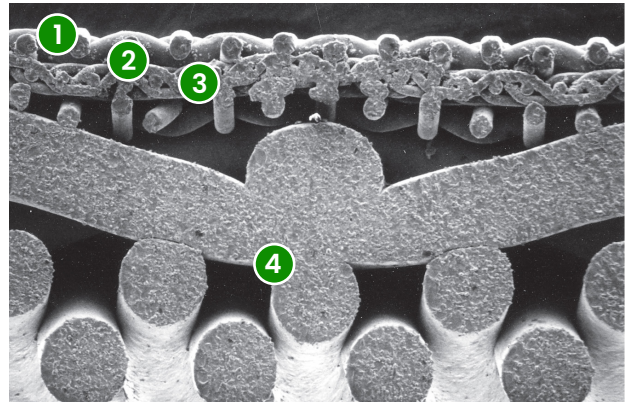
- High strength, no media migration and stainless steel construction
- Continuous operating temperature range of -50°C to 550°C (-65°F to 1,000°F)
- Corrosion and abrasion resistant
- Filtration from 1 micron to 200 micron
- Dimensionally stable, excellent weldability, and easily cleaned
- Custom configurations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





Constructed from layers of selected woven wire cloth, repeatedly and diffusion bonded to form a single monolithic material:

- ① Protective guard layer
- ② Fine mesh for exacting particle size control
- ③ Flow distribution layer
- ④ Two coarse back-up layers for strength and rigidity



Cross Section of PowerGuard Media

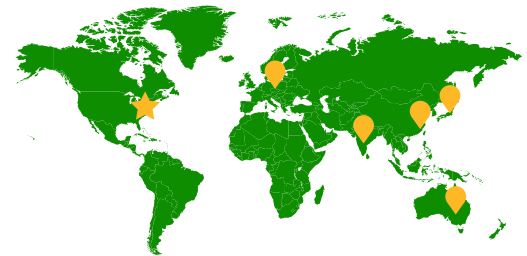
SUPERIOR PRODUCTS AND GLOBAL REACH

Graver Technologies designs, develops and manufactures ion exchange technology and products that enable and enhance separation, purification, process filtration and analysis. A Marmon Water/Berkshire Hathaway Company, Graver has a long history of strong corporate support, ion exchange innovation, industry commitment, global reach and world-class capabilities.

Whether you are around the corner or across the globe, Graver Technologies supports customers with superior products and services. Customers worldwide trust our products over competitive offerings; we export about a third of our manufacturing output. Backed by more than half a century of innovation, our ion exchange products treat over 6.5 billion gallons of water daily in more than 38 countries.

In the United States, over 90 percent of nuclear power facilities choose Graver's ion exchange systems, services and products to meet stringent water purity requirements.

GRAVER TECHNOLOGIES WORLDWIDE LOCATIONS



★ Headquarters ● Locations



FOR MORE INFORMATION

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