



Graver Technologies

FILTRATION | SEPARATION | PURIFICATION



PowerGuard[®] with Poroplate[®] Under Drains

*Power Generation Systems —
The Right Septa Choice*

Product Specifications

Media:

316 Stainless Steel, multi-layer,
sintered, composite

Weld:

Gtaw (TIG)

End caps:

316 Stainless Steel

Connection:

NPT/BPT, optional Quick Connect

Gaskets/O-Rings Option:

EPDM

Micron rating:

1, 2, 3, 4, 5, 10, 25 µm

*Other micron rated media
available upon request*

Description

Custom sized, sintered, multi-layer
stainless steel layers to meet process
demands, for flow inside to outside or
outside to inside applications

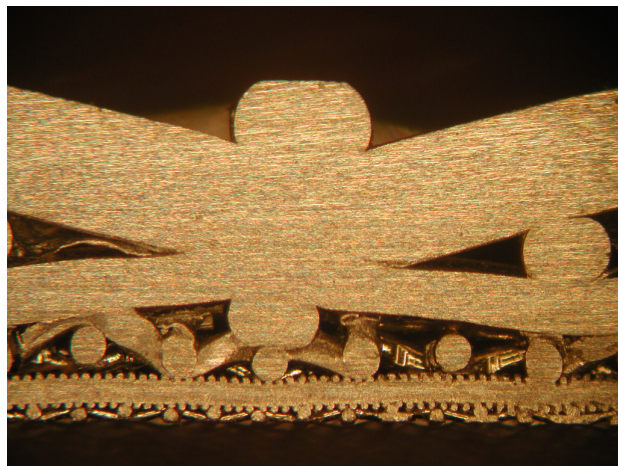
Construction

Multi-layer composites of selected wire
cloths, perforated sheets permanently
bonded together, all low carbon 316L
stainless steel construction, engineered
and manufactured in the USA

Graver's solution to problematic wedge wire is PowerGuard with Poroplate. We recommend using this laminated stainless steel mesh with high void volume and controlled porosity in applications where high demands for separation are needed. Under drains equipped with wedge wire will give high differential pressure and a low net positive head suction for upstream pumps. Our under drain design will save time during installation and add a controlled barrier to keep your ion exchange bedded resin in place.

FEATURES & BENEFITS

- Absolute micron rating from 1 to 350µm
- Removal efficiency rated at 99.9%
- Lower differential pressure
- High dirt holding capacity
- Fixed pore construction eliminates dirt unloading
- Increased throughput
- Direct replacements for old OEM installed Hub and Lateral or under drain systems
- Direct replacement for the OEM hardware supplies wedge wire or cloth
- High strength
- Corrosion resistant
- Precise pore size distributions and fluid flow permeability



Cross Section of Poroplate 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.



FOR MORE INFORMATION

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