

GRAVEX® GC-3-1 SC

Graver Technologies’ specialty mixed bed resin, Gravex GC-3-1 SC is uniquely designed for stator cooler systems in both nuclear and fossil-fueled power plants. The mixed bed resin is made from gel-type strong acid cation resin and high capacity gel-type anion resin in a chemically equivalent blend.

Like all Gravex brand products, this mixed bed resin is processed and tested in Graver’s manufacturing facilities in Newark, NJ. Complete product testing and certification is performed before final shipment is made.

This unique mixed-bed resin is manufactured to, and specifically approved by GE, for use in stator cooler systems. Gravex GC-3-1 SC is normally shipped in one cubic foot drums. It can be custom packaged in 50 liter or five cubic foot drums for specialty needs.



PROPERTIES & SPECIFICATIONS

Resin Type	Strongly Acidic Cation Exchange Resin Strongly Basic Anion Exchange Resin
Functionality	Sulfonic Acid Quaternary Ammonium
Matrix	Styrene-Divinylbenzene
Cation: Anion Ratio	1:1 Equivalents
Total Exchange Capacity	1.90 meq/mL (Cation H Form) (min) 1.25 meq/mL (Anion OH Form) (min)
Percent of Sites	98% Hydrogen (min) 95% Hydroxide (min)
Water Retention Capacity	45 – 51% (Cation H Form) 42 – 49% (Anion Cl Form)
Whole Bead	99.5% (min)

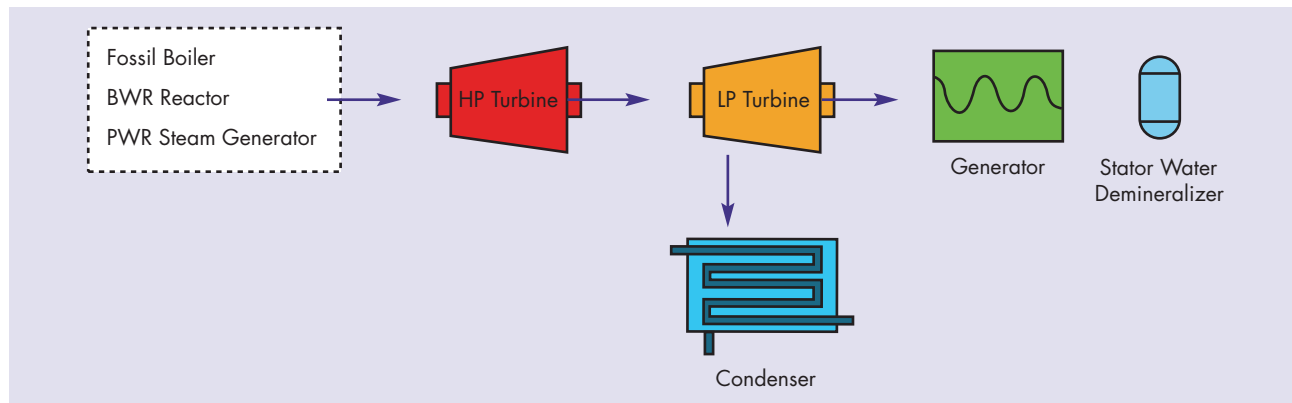
Stator Cooling Water Treatment

Stator cooling water is one of the most critical systems in a power generating plant. The copper stator bars are cooled in this closed loop system to prevent overheating and reduced generator performance. A mixed bed ion exchange polisher continuously treats the recycling water to remove ionic contaminants while providing some filtration of particulates, generally copper oxides. Graver Technologies has the optimum mixed bed product, Gravex GC-3-1 SC, for your stator cooling system.

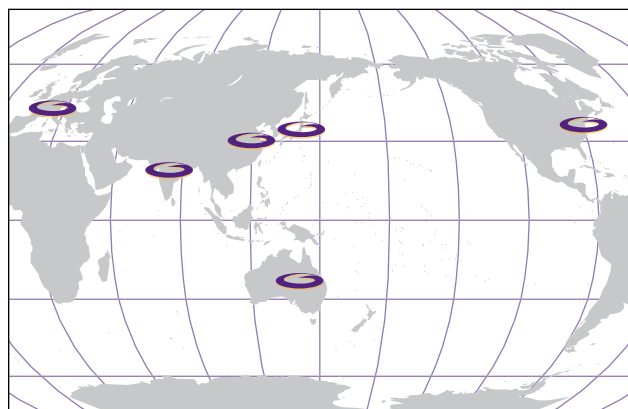
Features

- Premium grade mixed bed ion exchange polishing resin
- High capacity strong acid cation and strong base anion components for longest possible run
- Only mixed bed product that meets General Electric’s stringent requirements for stator cooling mixed beds, GE spec A50A306, Rev. S-8
- Specially packaged in durable polyethylene-lined one cubic foot fiber drums

STATOR COOLING WATER DEMINERALIZER LOCATION



Graver Technologies' Worldwide Locations



Superior Products & Global Reach

Graver Technologies continues to set the industry's pace in ion exchange resin purity, consistently meeting today's tougher requirements for nearly undetectable levels of chloride, sulfate and TOC for high-purity condensates and other process waters.

Whether your business is around the corner or around the world, Graver Technologies can support you with superior products and services. Our products are used worldwide. In fact, we export over 35% of the products we manufacture. Graver Technologies ion exchange products treat more than 6.5 billion gallons of process water every day in over 38 countries. Over 75 percent of the nuclear industry uses our resins. We've achieved this by consistently delivering dependable, high performance products.

For more information

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Graver Technologies

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**Nuclear
Quality
Assurance
Program**

10CFR50
Appendix B

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