

NEW!
Acrylic Fiber Matrix

NANODEX™

High Performance Water Treatment for Power Generation

Nanodex™ Ion Exchange Acrylic Filter Papers

RADIONUCLIDES AND CORROSION PRODUCTS

New acrylic fiber Nanodex papers are designed to be more chemically stable. They are most frequently used in on-line corrosion product samplers. The papers capture corrosion products and other radionuclides. These innovative papers contain powdered strongly basic anion or strongly acidic cation exchange resins. Through a unique patented process, the ultra-fine powdered resins are immobilized within a fibrillated nanofiber matrix. The acrylic nanofiber provides stability in chemistries more aggressive to cellulose fibers, such as a combination of morpholine and ammonia.



AX-110

- **New acrylic fiber matrix**
- Anion exchange filter disks in the chloride form
- Strongly basic, quaternary ammonium functionality
- Measure iodide and other anionic radionuclides
- 47mm diameter disks –10 per resealable poly bag, 5 bags per box

CX-220

- **New acrylic fiber matrix**
- Cation exchange filter disks in the hydrogen form
- Strongly acidic, sulfonic acid functionality
- Measure cationic corrosion products and other cationic radionuclides
- 47mm diameter disks –10 per resealable poly bag, 10 bags per box



Ion Exchange Acrylic Filter Papers deliver revolutionary features and benefits

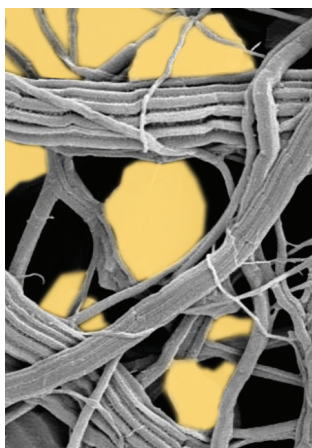
FEATURES

- > High performance, specialty hydrophilic paper for a variety of analytical requirements
- > Uniform resin distribution throughout each disk
- > Standard 47mm diameter
- > Highly functionalized, highest ion exchange capacity analytical filter disks available
- > Filter disks are easily digested by standard analytical methods

BENEFITS

- > Excellent hydraulic characteristics
- > Consistent ion exchange capacity and utilization
- > Fit corrosion product samplers and all standard bench-top filter holders
- > Single disk used per test
- > Simple to quantify ions removed – X-ray fluorescence or measurement by AA or ICP after digestion

Nanodex Ion Exchange Acrylic Filter Papers



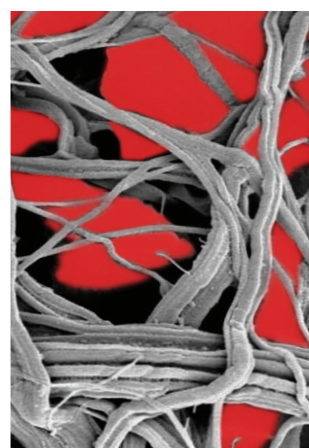
Nanodex AX-110 Surface



47mm Diameter Disks



Nanodex Cross Section



Nanodex CX-220 Surface

Graver Technologies Worldwide Locations



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

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10CFR50, Appendix B



A Marmon Water/Berkshire Hathaway Company