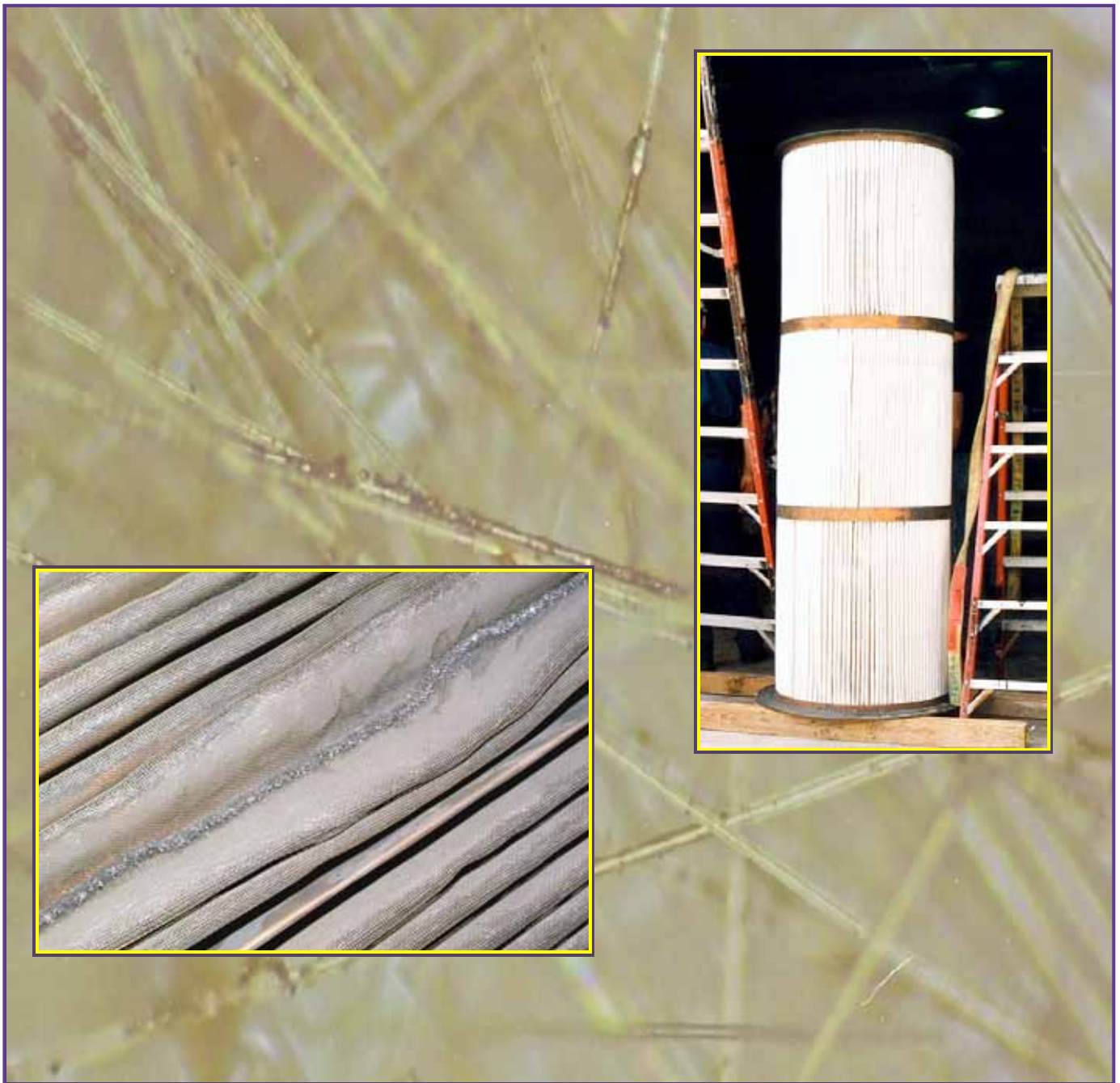




Graver Technologies

INDUSTRIAL FILTRATION PRODUCTS

High Efficiency Catalyst Recovery



THE NITRIC ACID MARKET

Graver Technologies: Your Single-Source Supplier



Graver Technologies has a long history with the nitric acid market, beginning back in 1972. Today, **Graver Technologies** serves customers around the world and is a recognized leader in PGM recovery.

Filtration products are an integral part of the HNO₃ process, and **Graver Technologies** can provide filters for *all* areas. From air intake units to ammonia filters; mixed gas filters and platinum recovery filters, to weak acid filters, we *are* your single source for your filtration needs.

With patented designs utilizing cutting-edge materials, and an ASME code vessel manufacturing facility, **Graver Technologies** fully understands the nitric acid market and the importance of recovering the *maximum* amount of precious metals quickly and efficiently.

Superior Efficiency and Durability – Patented Design:

Our pleated filtration media extends the surface area, ensuring highly efficient filtration with *virtually no bypass* of particulates larger than 0.3um. Our units offer extended service life and a lower pressure drop.

With a working temperature rating of 1000°F, our media is compatible with nitric acid and will not exhibit “burn through”. Combined with a finer micron rating, **Graver Technologies** systems help you reclaim the maximum amount of precious metals.

Our liquid service systems are designed to withstand the rigors of service in 57% nitric acid solutions, with all stainless steel construction components and PTFE media.

Our patented design uses no adhesives or binders that can break down in acid solutions, effectively eliminating the risk of failures.



EASE OF USE – MAINTAIN CONTROL – MAXIMUM RETURN



Ease of Use:

Graver Technologies pleat packs are adaptable to existing cage designs with only slight modifications. Packs are delivered right to your site and are easy to store, making them readily available for a change out.

Packs are quickly and easily placed on your cage cores *without special tools*, saving you time and freight costs.

The tear down and re-assembly are performed on site, making for minimal down time.

Maintain Control:

Your personnel handle the elements, with no need for special services. Since the pleat packs are stored on site, you will be in control of the recovery process. The elements are quickly stripped and shipped to a recovery station in standard shipping containers, allowing you to more quickly reclaim the precious metals shed during your catalyst process.



Maximum Return:

Graver Technologies uses a finer grade of filtration media in our applications. Third-party testing verifies efficiencies of 99% at 0.3um. That equates to a much greater recovery rate than conventional systems.

The average increase in PGM recovery when switching over to a **Graver Technologies** system is ***two to three times more than a conventional system!***

Particles from 6um down to 0.3um are captured with *no* bypass.



Graver Technologies offers a faster and more secure catalyst recovery, assuring a quicker return on investment to your company.





Graver Technologies

Graver Technologies is a US based company serving the industrial filtration, coalescing, separation and purification needs of companies around the globe. Established over three decades ago, **Graver Technologies** develops, manufactures and markets a wide array of products and services for the nitric acid, power generation, industrial, food and beverage, drinking water, pharmaceutical and chemical markets. At **Graver Technologies**, we strive to understand the needs of our customers and specialize in providing innovative solutions for all their processing needs.

We are committed to total customer satisfaction.

Graver Technologies is ISO 9001:2008 certified and operates under a strict quality management system focused on continuous improvement. **Graver Technologies** is headquartered in Glasgow, Delaware and has additional manufacturing and marketing facilities in Honeoye Falls, New York and Newark, New Jersey.

Graver Technologies, LLC is a Marmon Water/Berkshire Hathaway Company.

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