

SELECTED BY **LES KANE AND STEPHANY ROMANOW**, EDITORS

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## Repair pipe leaks quickly

The STOP IT Pipe Repair System from Indumar Products is claimed to work on all metal and plastic pipes. It has been successfully used to repair leaks in chemical plants, refineries, processing plants, offshore rigs and in many other applications.

For any operation where different piping carries products that are often flammable, toxic or corrosive, the system provides a method to restore product flow and profit flow in minutes, instead of many hours or days. It potentially could stop an environmental contamination problem before it starts.

An included FIX STIX hand-moldable epoxy is resistant to hydrocarbons and most chemicals, and is NSF-certified for use on potable water. Pipes are wrapped with a knitted fiberglass tape, and pre-coated with a water-activated urethane system, which can be applied by one person with no mixing, measuring or hot work.

The product sets in 5 minutes, cures fully in 30 minutes and conforms around elbows, tees and other fittings. The pipe surface does not have to be clean or dry, just rough. STOP IT can be applied right over an old rusty line, and can be applied completely underwater or buried underground.

After the 30-minute cure, the product will withstand up to 400 psi and 500°F and has excellent chemical resistance. It reinforces the structural integrity of joints; tests show that it adds over 2,000 lb of pullout strength to a 2-in. PVC coupling. The product can also be used on electrical conduit or any cable cover. It is claimed to provide the fastest, lowest cost solution for most leak situations.

Circle 1

## Patented filter media offers longer service life

The 940 Platinum Series is a new line of high-capacity, high-efficiency, pleated cartridge filters. From Filtration Technology Corp., the filter design is estimated to be a quantum leap in filtration technology. It offers a unique, patented series of segregated flow channels and chambers that provide greater dirt holding capacity (DHC) with a smaller element footprint.

Primary advantages of the state-of-the-art system are claimed to be:



**FIG. 1.** Filter is claimed to hold more dirt than 50 standard pleated cartridge filters or 200 string-wound elements.

- Reduced initial capital cost for new equipment
- Effective operating cost reductions
- Minimized disposal expenses
- Lower operator exposure, especially in hazardous applications
- High DHC.

This new technology is focused on high-volume and high-contaminant loading HPI

As *HP* editors, we hear about new products, patents, software, processes, etc., that are true industry innovations—a cut above the typical product offerings. This section enables us to highlight these significant developments. For more information from the companies, please refer to the instructions on p. 164 of this issue.

applications such as amine and glycol filtration and sulfur recovery operations. The filtering media includes cellulose, glass, polypropylene and polyester.

The filters can be customized for corrosive operating conditions. These filters are constructed with metal cores and caps (Fig. 1). Thus, they may be used in high-pressure and high-temperature applications. Using segregated flow chambers allows fluids to flow through the media; consequently increasing its DHC and extending time between filter change-outs.

Circle 2

## Venture provides GTL licensing for offshore projects

Rentech Inc. has signed a memorandum of understanding (MOU) with Global Process Systems, Inc. Both companies will cooperate to provide technology licensing and engineering services concerning Rentech's gas-to-liquids (GTL) process techniques for floating production systems (FPSO) to convert offshore, stranded natural gas.

According to the MOU's terms, both companies plan to jointly market their combined capabilities to potential customers globally. These efforts include licensing, engineering services for the topside process work and build-out involving Rentech's GTL technology. This entails design, procurement, construction, project technical development and estimating services as required for site-specific projects.

Both companies will target a variety of prospective natural gas offshore projects. The estimated GTL plant size may range from 2,500 to 10,000 bpd of GTL. Using the GTL method to convert stranded gas into valuable liquid hydrocarbon products provides a cost-effective alternative to injecting the produced gas.

**In other news,** Rentech Inc. has announced that GTL Bolivia S.A. is performing a feasibility study for a 10,000-bpd GTL project located at the Bolivian energy center of Santa Cruz. The proposed 10,000-bpd GTL plant will be designed to produce ultra-clean, sulfur-free fuels. Jacobs UK will be responsible for the feasibility study, which is expected to take four to six months and will provide the basis for the project's next phase.

Bolivia contains the largest estimated