



# HEMILOK®

## AND YOUR PROCESSING PLANT



Heat exchanger service in a refinery or processing plant is tough duty.

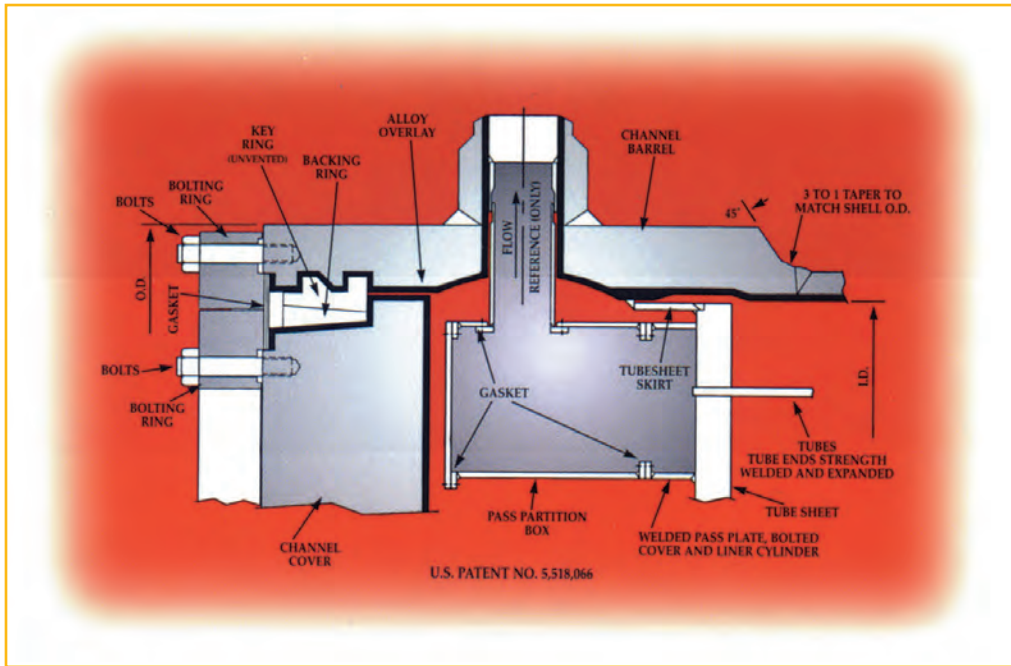
Many would say it is the toughest. High temperatures...high operating pressures...highly corrosive environments...cyclical service...all contribute to truly unique demands on heat exchange equipment; especially shell and tube heat exchangers. With this earned reputation for tough duty also comes a real operations issue; what can be done to enhance the serviceability of shell and tube heat exchangers that are subjected to these types of operating conditions?

SPX Heat Transfer solved the serviceability issue with the development of the first real breakthrough in shell and tube heat exchanger design in more than three decades. In 1989, the U.S. Patent Office granted SPX Heat Transfer a patent on the improved Hemilok® Channel design. Hemilok® systems have been in continuous severe cyclical service since 1989.

How will the improved Hemilok® Channel benefit you?

- The hemispherical-shaped pressure chamber provides a configuration well suited to cyclical service
- You are provided full access to the internal components for maintenance or inspection, with easy access to the face of the tubesheet
- Lower costs result from the use of lighter weight tube bundle materials due to the differential design concept of the stainless steel tube bundle components
- The Hemilok® Channel is upset tolerant and withstands high pressures, high temperatures, and high partial pressures of hydrogen.





# YUBA®

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The Hemilok® design provides full access for maintenance and employs shear keys to take the large hydraulic end load. The shear keys, which are specially shaped to prevent fatigue cracks, minimize bolting in the gasketed design and reduce component weights for ease in opening and closing.

Hemilok® assures fatigue free operation in difficult service. It provides additional space for ease of full access maintenance which is especially applicable in channel sizes below 48" id. Hemilok® designs are available in all sizes and all high pressure applications, including supercritical applications with design pressures over 5,000 psi.

When you need maximum performance from shell and tube heat exchangers manufactured by people who understand what happens in a plant upset, you need SPX Heat Transfer. We have the knowledge, the creativity, and the ability to provide special heat exchangers for special applications; or simplified units to meet your basic or immediate needs.

SPX Heat Transfer has been providing Yuba shell and tube heat exchangers for the processing industry for more than seven decades. When it comes to understanding the unique heat exchange needs of the processing industry, SPX Heat Transfer has truly been there...and done that. We understand. Our engineers can help you anticipate your needs. And we also provide the service that you need for years of extended performance from your shell and tube heat exchangers. Call SPX Heat Transfer today.



**SPX**<sup>®</sup>

**HEAT TRANSFER**

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