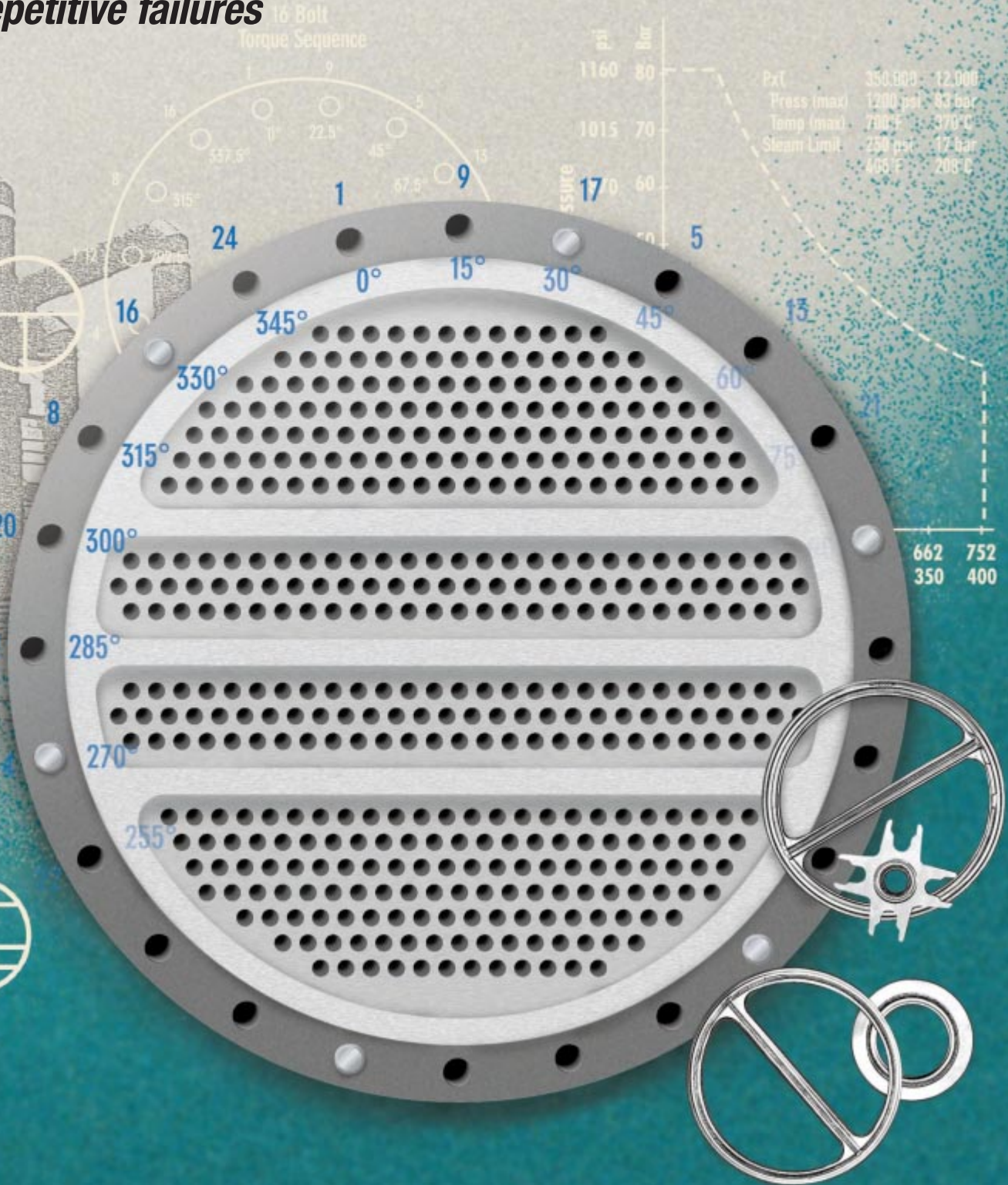


Heat Exchanger Gaskets

- ***Achieve high reliability***
- ***Compensate for thermal stress***
- ***Total system solution to prevent repetitive failures***



CHESTERTON®

Heat Exchanger Gaskets

Achieve high reliability

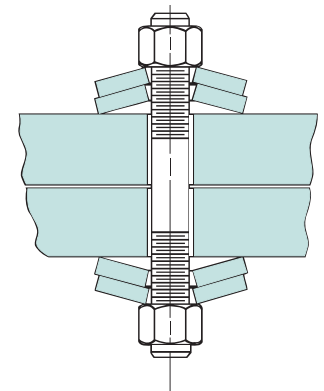
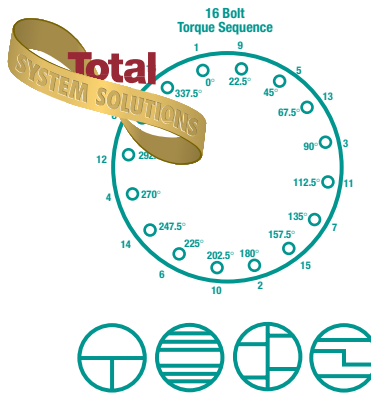
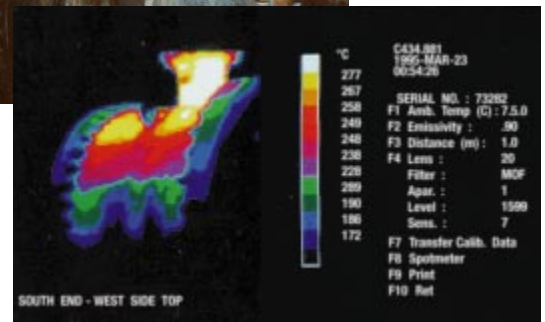
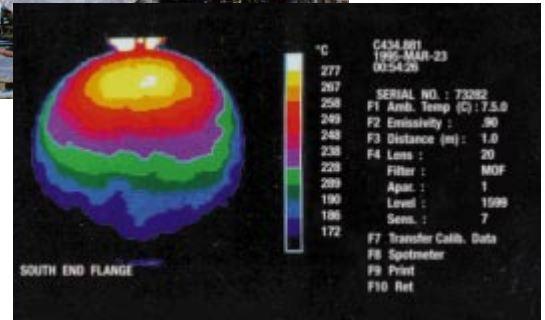
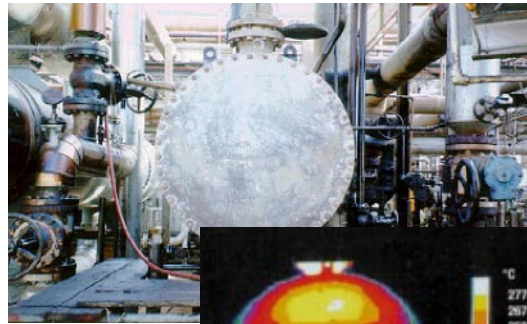
Heat exchangers are vital to process efficiency. Downtime is costly and maintenance is very time-consuming. When a gasket is installed, it should stay functional and seal effectively until the next scheduled maintenance. By analyzing the specifics of heat exchanger applications, CHESTERTON® engineers have arrived at a sealing system approach that achieves high reliability and prevents unscheduled downtime.

Compensate for thermal stress

The design and function of heat exchangers present a challenging sealing application. The photos at right show a typical shell and tube heat exchanger. The thermal analysis demonstrates the vast temperature differentials across the heat exchanger's shell and tube inlet and outlet. These tough operating conditions make maintaining a seal on the heat exchanger joints difficult. To prevent catastrophic failures from occurring, CHESTERTON offers engineered solutions that focus on good bolting practices, proper gasket selection, sufficient initial gasket seating stresses, as well as the use of live loaded technologies to maintain gasket stress throughout thermal cycles.

Total system solution to prevent repetitive failures

Our Sealing Device Specialist will survey the equipment and gather all pertinent data required to select the best gasket, either the high performance Steel Trap™ or 199/459 Flexible Graphite Sheet products. Live loaded disc springs will be provided with a recommended configuration, torque value and tightening sequence for proper installation. This results in high reliability, and long term sealing, as well as tremendous cost savings by helping to prevent unscheduled shutdowns.



Gasket Configurations

Live Loaded Flange

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