

STANDARDS OF THE
TUBULAR EXCHANGER
MANUFACTURERS ASSOCIATION



ELEVENTH EDITION

TUBULAR EXCHANGER MANUFACTURERS ASSOCIATION, INC.
www.tema.org

THE 11TH EDITION INTRODUCES NUMEROUS
CHANGES TO THE TEMA® STANDARDS

Newly Added

- Exchanger Type Selection Guide which discusses the benefits and disadvantages of various types of exchangers
- Section on Inspection which has information concerning non-destructive examination techniques and recommendations for their use for shell and tube heat exchangers.
- Design of one pass floating heads
- Design of Type-D high pressure channel closures
- Weld calculations for vertical support lugs
- Appendix for Repairs and Alterations of Heat Exchangers
- Appendix for Clad and Overlay Construction
- Appendix for Installation, Operation, and Maintenance of Shell and Tube Heat Exchangers.

Updated

- Updated **Heat Exchanger Specification Sheet** to better define the design requirements necessary to specify a heat exchanger.
- US Customary and SI Units are provided for most requirements – a single system of units shall be used for all aspects of design and fabrication except where otherwise permitted
- Clarification to the mitigation of erosion of the tube ends due to certain tube side flows
- More detailed discussion concerning tube to tubesheet joints.

