



MARMETAL

ENGINEERED TUBE

Engineered tubes offer distinct advantages over traditional condenser tubes. By optimizing the heat transfer process engineered tubes increase efficiency. This allows for greater flexibility when designing new heat exchangers and increases the performance of existing units re-tubed with engineered tubes.



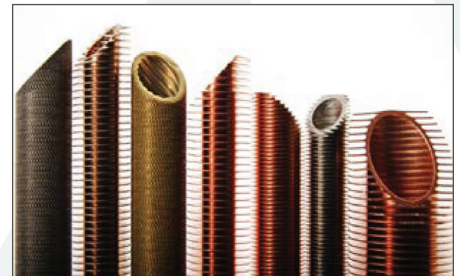
Corrugated Tubes

Corrugated Tubes are created through a special manufacturing process that creates spiral grooves on the inner and outer surfaces of thin-walled traditional smooth tubes. The resulting engineered tube has greater heat transfer to the inner side of the tube and allows for better condensation run-off. Marmetal can supply corrugated and cross-corrugated tubes specially designed to meet your requirements.



Finned Tubes

By increasing the outside surface area, finned tubes offer significantly higher heat transfer rates. As a result of this increase in efficiency, fewer tubes can be used compared to units built with smooth tubes. Marmetal supplies integrated finned tubes in two sizes, Type N (low-finned) and Type M (medium-finned). Bi-metal versions are also available.



Double Wall Safety Tubes

Double wall safety tubes provide extra security when cross-contamination must be avoided. In addition to providing separation between mediums, inner grooves between walls allow for easy leak detection to prevent downtime.

Bi-Metal Tubes

Bi-metal tubes combine two different metals in one product allowing for the positive benefits of the two materials to be utilized simultaneously. Expensive corrosion-resistant material can be combined with less expensive base metals to provide excellent protection at a lower total cost.

