PATENTED REPAIR PRODUCTS FOR AIR COOLED HEAT EXCHANGERS

• Quickly identify and repair leaking tubes across the water box using specially designed tools
• No need to remove the outer plate of the water box
• QA system certified to ISO-9001
• Can be supplied under ANSI N45.2, 10CFR50 Appendix B
Identifying leaking tubes in an air cooled heat exchanger has always been a difficult task, due to the configuration of the finned tubes. Often, when tubes failed in the middle of a bundle, it was nearly impossible to verify the leaking tube. The G-150 pneumatic tube testing gun set allows tubes to be quickly tested and identified for plugging. The G-150 tube testing guns are easy to operate. After attaching a channel head extension, which allows the test guns to operate outside the water box, simply insert both the air injection gun and plugging gun into the tube ends, and press the air control valve, expanding the seals on both guns and pressurizing the tube. Any reduction of pressure indicated on the large pressure gauge will reveal even the smallest tube leak.

Air cooled heat exchangers often experience excessive wear and tube failures at the tube inlets. However, once fluid enters the tube and becomes linear (usually within one foot of the tube end), the remainder of the failed tube is actually in good condition. EST Group’s Hydra-Loc™ tube slewing service is the perfect life-extension process for this application. Utilizing a thin walled sleeve that matches the material of the damaged tube, EST Field Service personnel bridge over the damaged area of the tube, using our Hydra-Loc™ tube sleeve expansion system. This process not only extends the operational life of tubes, it can also recover plugged tubes, and bring them back into service.

Traditional tube plugging methods in air cooled heat exchangers involved tacking a rod to a tapered pin and beating the pin into the tube end. The rod was then shaken to break it free from the tapered pin. Tapered pins are not only unreliable, they can turn into lethal projectiles that can pose a real safety hazard for your workers. Resistant to thermal cycling and able to provide a seal that’s helium-leak tight, EST Group’s patented CPI Pop-A-Plug® installs using controlled force. This protects against damage to tubesheet ligaments and adjacent tubesheet joints. The CPI Pop-A-Plug® takes only seconds to install.

Let our trained field service technicians help you! We have the experience and know-how to handle even the most demanding jobs safely, competently, and on-time.