



Acoustic Pulsed Reflectometry

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Introduction

Arise Global introduces an advanced and innovative tool in the field of Non-Destructive Testing that uses Acoustic Waves to evaluate the integrity of tubes in heat exchangers, boilers, chillers etc.

Our technicians, with the help of a computerized inspection system and an-advanced software are able to detect internal tube flaws such as holes/leakages, blockages, erosions and pitting with a great deal of precision and speed (Less than 10 seconds per tube!). Monitoring your tubes condition will help you increase your productivity and efficiency.



What is APR

Acoustic Pulse Reflectometry is a technology employing propagation of specially configured acoustic waves in tubes. Changes in the tube cross-section generate reflections. Identifying defects like scales, blockages, erosion, pitting and TWH/ leakages. The defect detection is based on the fact that every defect has its unique signature.



Typical Applications

The APR Technology can provide inspection services to industries that have heat exchangers, boilers, chillers, economizers etc.. Some of them are:

- Oil & gas
- Oil refineries
- Power Industry
- Petrochemical Industry
- Chemical Industry
- Food and Beverage
- Air Conditioning (HVAC)

