

FILE NAME: Foster Wheeler (FW)

DATE: 1949

DOC#: FW003

DOCUMENT DESCRIPTION: Published Advertisement in Trade Journal

Southern Power & Industry
Nov 1949 p79

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FIRST

EXPANDED TUBE CONDENSERS

for purest feed water

Expanded tube condenser design, introduced 20 years ago by Foster Wheeler and considered a highlight of condenser development, is used by modern condenser manufacturers. The design completely eliminates leakage of circulating water into the condensate.

Condensate contamination became a major problem with the advent of higher pressure and temperature steam generators. Slight impurity of feed water, unnoticed for years in plants operating at 300 or 400 psi, quickly forms heavy scale at higher pressures and temperatures. Modern steam generators need almost chemically pure feed water — purer than drinking water.

lem by designing the first expanded tube condenser for stationary power plants.

The condensers illustrated, first practical application of this design, were built in 1925 by Foster Wheeler for the Trinidad, Texas, station of the Texas Power & Light Company. Test data proved that expanded tube condensers provide feed water purer than all previous types.

Foster Wheeler offers industry practical engineering ability and experience plus foresight necessary for progress.

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Foster Wheeler anticipated this prob-