



DELTA TEE

The DIFFERENCE is in the DELTA!

**Plate & Shell Heat Exchangers
for Industrial Applications**

Plate & Shell Heat Exchangers



Delta Tee proudly introduces the addition of Plate and Shell technology to our Heat Transfer equipment product line. Widely used in Europe, this type of heat exchanger brings real advantages to applications where space limitation is an important consideration.

Consider the following parameters when specifying a Plate and Shell heat exchanger.

Pressures
Temperatures
Mass Flows
Fluids
Phases

Materials / Metallurgy
Fouling Service / Factors
Footprint / Volume

The new Plate & Shell exchangers from Delta Tee bring real and positive change to the industrial and refrigeration sectors. Suitable for wide pressure and temperature ranges, they are an ideal solution for both new and retrofit installations. Design parameters can accommodate applications from cryogenic LNG and liquid air service to high temperature gas turbine heat recovery.

Delta Tee has aligned with GE/SM/EX – a leading German manufacturer of Laser Welded Plate technology. This partnership brings superb quality, faster delivery (no overseas freight shipments) and lower cost to the end user.

Industrial Refrigeration, Refining, Power Generation, Petro-Chem, and HVAC will benefit from this proven technology. Plate materials are available in Stainless Steels, Titanium and Nickel alloys. Shells can be fabricated by Delta Tee in any material commonly used for Shell and Tube exchangers.

Typical applications include Flooded Evaporators (with integral separation space), Direct Expansion Chillers, Condensers, CO₂ cascade systems and Oil Coolers. With available surface area as much as 16,000 ft², these exchangers provide a whole new “toolbox” for design, process and construction engineers. With lower weight, size and external structural requirements, P&S units bring real benefits to contractors and end users alike.

Plate Sealing

Laser Welding

Shell Sealing

Fully Welded
or
Gasketed

Available Sizes

14" to 55" Shell OD
6" to 196" OAL

Pressures and Temps

Full Vacuum to +5,500psi
-320f to +932f

Codes & Standards

ASME
ABS
API
PED
DnV

Flow diagram for Plate & Shell Exchanger

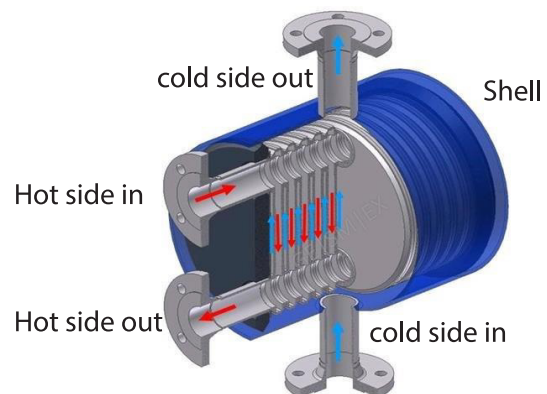


Plate & Shell exchangers are small, robust and well suited for high pressure / temps. Plates are 100% laser welded, no gaskets. Ideal for NH₃ x CO₂ Cascades systems