

# Thermo Plates

## HEAT TRANSFER SOLUTIONS ON A PLATE?

### THERMO PLATES

In addition to our unique knowledge of the manufacture of thermo plates, we possess one of the best equipped production units for this purpose.

The manufacture of thermo plates is our principal core competence. The plates are manufactured in a large range of corrosion resistant steel qualities – e.g. stainless steel, SAF 2205, 904L and SMO.

ATHCO Engineering also produces thermo plates for other manufacturing companies that use our thermo plates in different process, e.g. for integration into heat exchangers,

tanks and other process units. The plates are either delivered by the piece or built into units according to the customer's specifications. The major part of the production is used for ATHCO Engineering's own heat exchangers.

### WHAT IS A THERMO PLATE?

A thermo plate consists of two plates that are spot-welded together. The plates are sealed with a welded seam along the contours of the plates. The plate is then expanded until the desired expansion height is achieved. The expansion height is the maximum space between the two plates.

### PRODUCT ADVANTAGES

- Very easy to clean (high sanitary standard)
- Efficient heat transfer because of large surface to volume ratio

### FIELDS OF APPLICATION

#### FOOD INDUSTRY

- Exhaust recuperators
- Water chillers (Falling Film)

#### CHEMICAL INDUSTRY

- Top and bottom condensers
- Vaporizers
- Heat exchangers

#### OTHER APPLICATIONS

- Condensers
- Flue gas coolers
- Oil coolers
- Heating-/cooling shells for tanks

