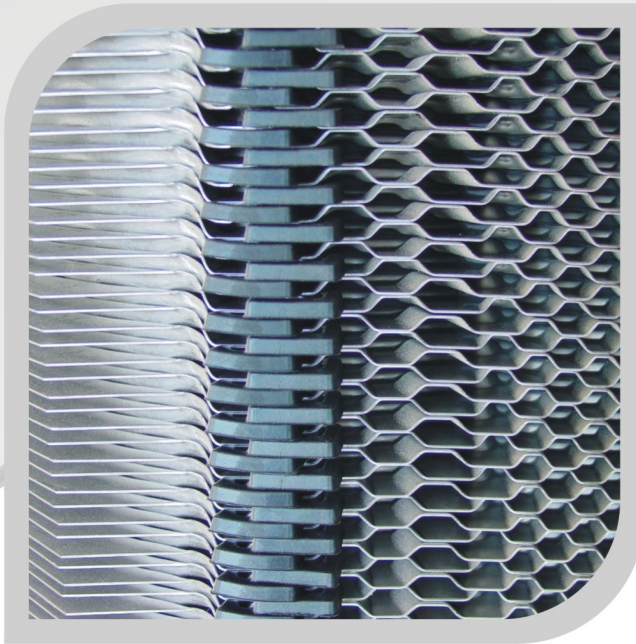


# Heat exchangers (Air Preheaters) (LUVVO)



**STALCO S.A.**

ELECTRICAL EQUIPMENT INDUSTRY



## APPLICATION

Our company has more than twenty years of experience in the manufacture of Heat exchangers (Air Preheaters), also known as LUVVO-Luftvorwärmer, that use the heat of the exhaust to raise the incoming air temperature to desirable levels in Thermal Power Stations. Throughout all these years we have been supplying the Greek Public Power Company with products of outstanding quality and performance.

STALCO's factory is equipped with the most sophisticated automated production line that is operated by our skilled personnel.

STALCO has produced numerous designs of heat exchangers throughout all these years and is capable of adapting and customizing the design according to client specifications.

Furthermore, STALCO has acquired the EN ISO 9001:2008 certificate for the production of Heat Exchangers.

## DESCRIPTION

The surface of the Heat Exchanger is composed of thin wave-shape metal sheets that are fixed on the Air Preheater Rotor and are positioned parallel to the direction of the outgoing exhaust gas and incoming air.

During the rotation of the Rotor the Heat Exchangers first pass from the exhaust section where they absorb the heat from the outgoing exhaust gas and then pass from the incoming air section where they give off the heat that they absorbed in the previous stage to the incoming air.

The rotor is divided into sections using radial partitions and into segments using side partitions. Each Exchanger unit is made of a cage in which rest the wave-shape metal sheets according to the specifics of the client.

## SPECIFICATIONS

Metal Sheet material: CORTEN A according to SEW 087 or other materials according to our clients requirements

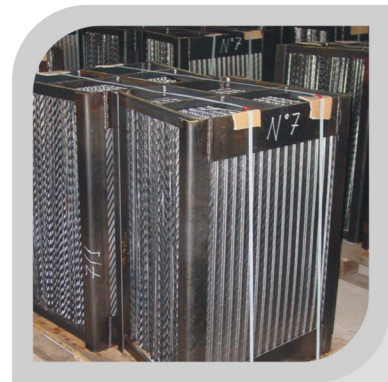
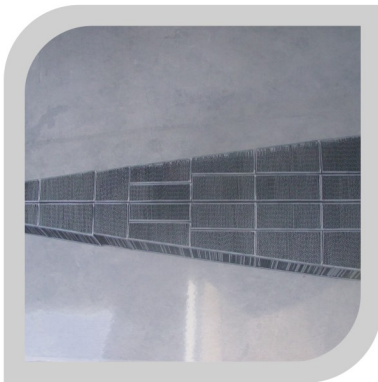
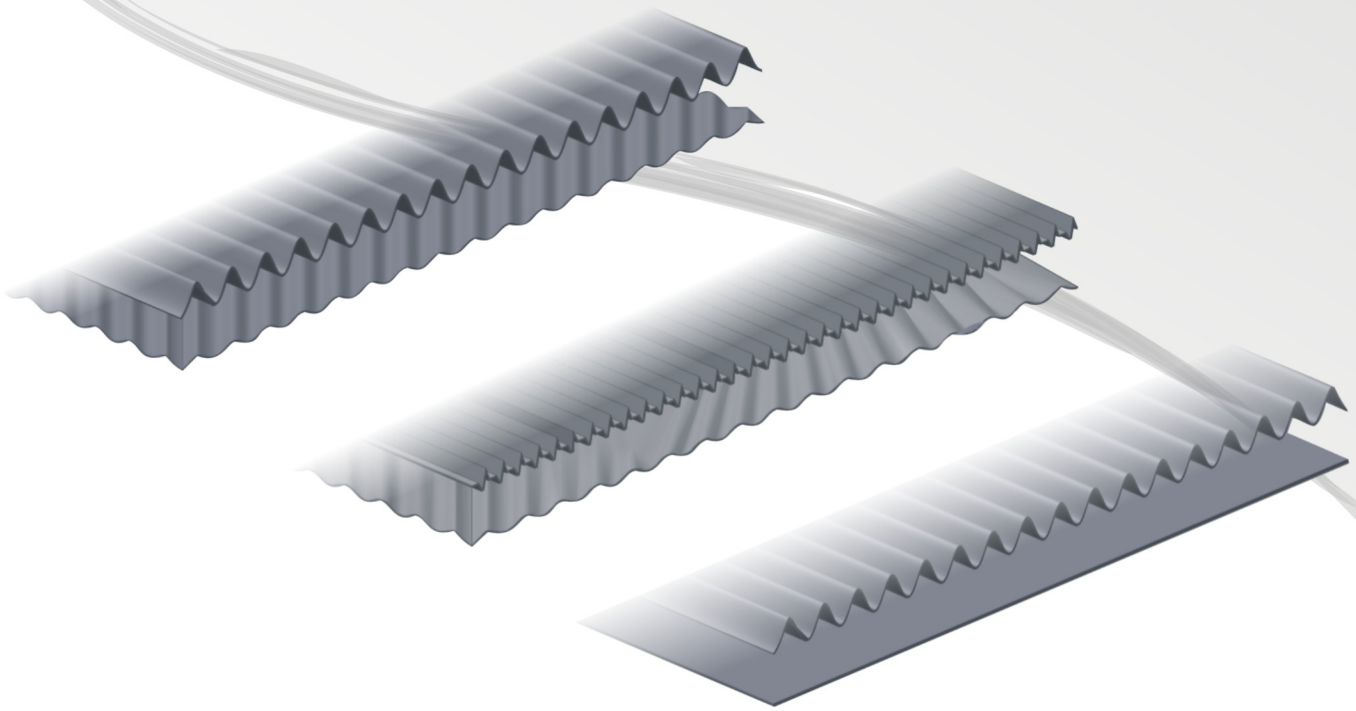
Sheet thickness tolerance: According to DIN 1541 Tab 2

Cage Material: Steel St-37.2

Cage Welding: Special electrodes compatible with the metal sheet material used

Rust Proofing: Special SMARTOLIN coating is applied to prevent rust from appearing. This coating has been used successfully by our company for more than 20 years.

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FACTORY: A' INDUSTRIAL AREA – VOLOS  
TEL.: +30 24210 95102  
FAX: +30 24210 95403  
e-mail: stalco@vol.forthnet.gr

ATHENS OFFICE: 1, IPPOKRATOUS STR  
151 23 MAROUSSI  
TEL.: +30 210 6824538, +30 210 6824661  
FAX: +30 210 6826256  
e-mail: office@stalco.gr

[www.stalco.gr](http://www.stalco.gr)