

DIVERTER und Absperrschieber für die GT-Anlagen ENTEK und OSTIM in der Türkei

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RAUMAG - JANICH Systemtechnik GmbH



Fabrication at RAUMAG – JANICH works in compliance with ISO 9001

RAUMAG – JANICH secured an order from **GAMA BOILER** for the design, manufacture and supply of diverters, diffusers, guillotine dampers and compensators for the combined cycle plants **ENTEK** and **OSTIM** in Turkey.

The new diverter incorporating the patented, lattice structure reinforced blade design as well as the patented **NICROFLEX – HIPERFORM** sealing system have been selected for this application.

The diverters size are ND 3150 x 3150 mm and they are equipped with internal thermal insulation. The diverter blade has also been lagged on both sides.



The complete bypass-system of the combined cycle plant OSTIM / Turkey

The picture shows the whole bypass-system between gasturbine and waste heat recovery boiler.

The patented, lattice structure reinforced damper blade design.

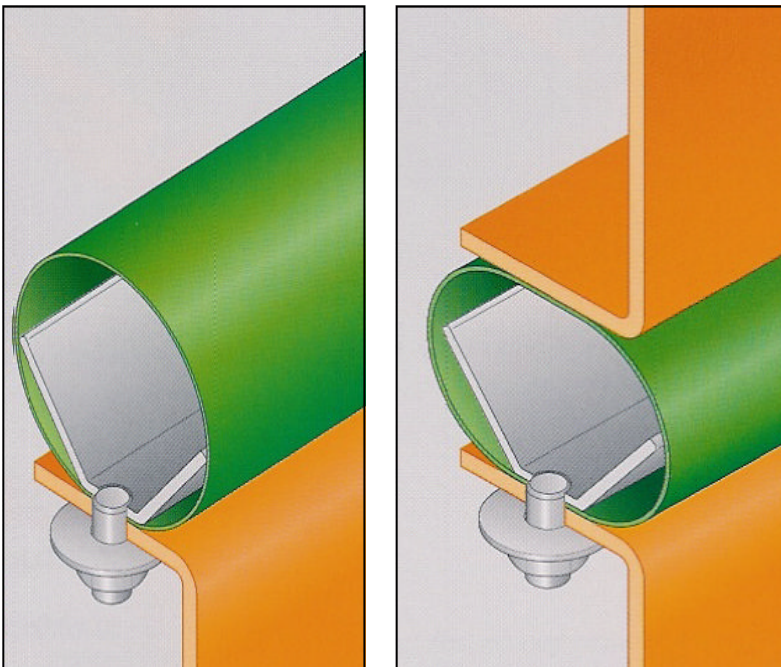


The lattice structure reinforced blade with cardanically attached, free floating cover plates remains free of distortions when exposed to high and rapidly changing temperatures. High temperature gas flows continuously through the blade's latticed support structure, all parts of which heat up uniformly.

The design of the lattice structure is based upon the "finite element" method.

In this context please refer to our publication "**TECHNOLOGY 6**".

The patented, high resilience NICROFLEX – HIPERFORM seal.



The illustrations depict the new NICROFLEX – HIPERFORM sealing system in the open (uncompressed) and in closed (compressed) condition.

In uncompressed condition the vee-shaped internal stabilizer supports the tubular seal on the inside thereby providing the necessary rigidity against vibrations. Thus damage of the seal is avoided irrespective of the damper operating mode.

The sealing system is notable for its high resilience by which it is able to compensate for misalignments or fabrication tolerances of even the largest dampers.

In this context please refer to our publication "**TECHNOLOGY 4**".

RAUMAG-JANICH Systemtechnik GmbH

Im Grund 6
D-96258 Rauenstein

Ennigerloher Straße 16
D-59269 Beckum

Telefon: 036766 / 881-0
Fax: 036766 / 81032
E-Mail: info @ raumag-janich. de

<http://www.raumag-janich.de>

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