

The new sealing system NICROFLEX – HIPERFORM, DBP, has proved itself many times already !

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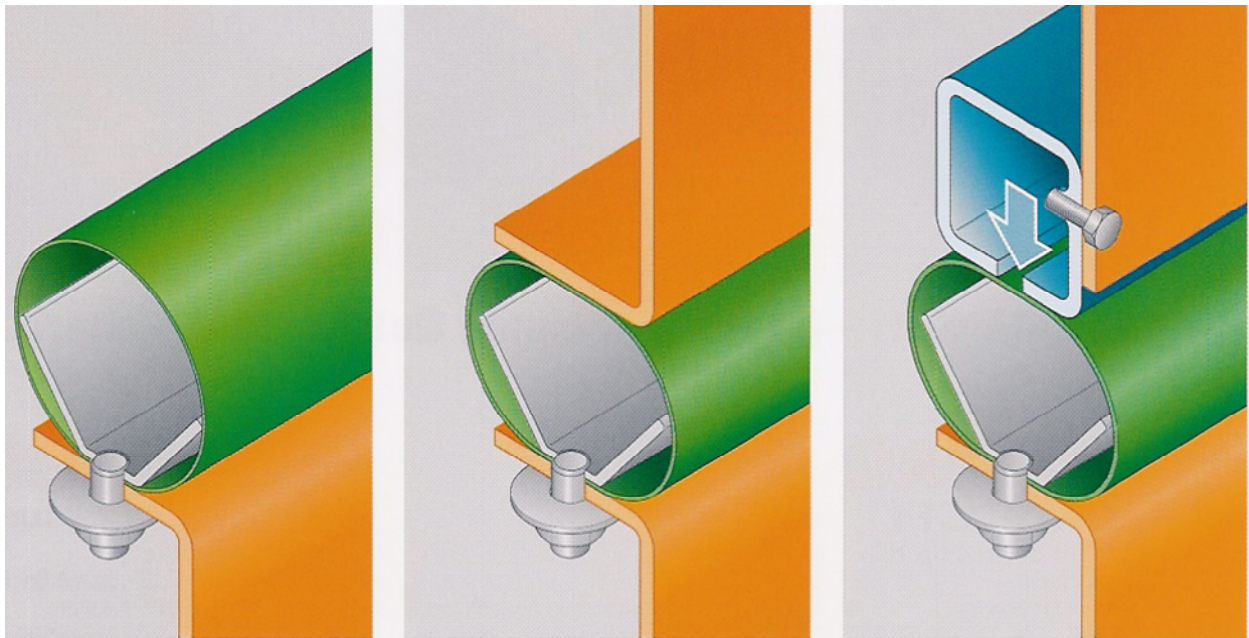
RAUMAG-JANICH Systemtechnik GmbH

RAUMAG – JANICH has developed the new **NICROFLEX – HIPERFORM, DBPa**, sealing system for shut – off and modulating dampers, more specifically however , for diverter dampers of combined cycle gasturbine plants. The sealing elements are fabricated from a certain stainless steel with a high elasticity.

In their standard configuration the tubular sealing elements afford a deformation capacity of up to 30 mm and , if they are subjected to point loads caused by tramp material, regain contact with the mating surface within a short distance.

The internal, vee – shaped back up bar, stabilizes the sealing element in uncompressed condition and ensures that it is not destroyed by vibrations due to high gas velocities or turbulences, common during operations in the modulating mode.

In compressed condition, e.g. damper closed, the seals flatten and bulge outwards, thereby creating a broad area of contact by means of which a 100% tightness, with seal air, in terms of the UVV regulations can be achieved. (illustration 3). Please refer also to our publication “ **TECHNOLOGY 4** “



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