Industrie Service

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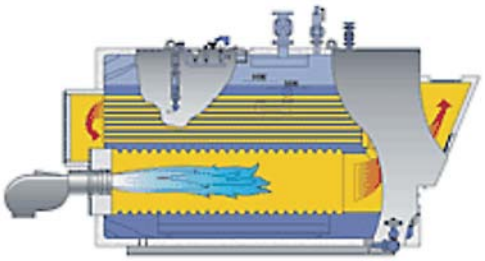
Steam and Hot Water Boilers

A Product Information Sheet by the Plant Engineering Business Unit



Product Description

A high degree of availability is of decisive importance for running steam and hot water generators smoothly and economically. The used materials as well as operating and water chemical conditions are significant parameters here.

The intended function of steam and hot water boilers may be impaired or even lost following waterside scaling or deposition and corrosion caused by improper water chemical conditions.

Our Services

- Evaluation of the water chemical conditions according to TRD, VdTÜV-Guidelines, VGB-Guidelines
- Evaluation of the water chemical conditions according to TRD 604 (operation without permanent supervision)
- Evaluation of hot water boilers regarding the risk of corrosion through continuous measurement of the oxygen content of the circuit water
- Evaluation of the efficiency of devices for the physical removal of dissolved gases (oxygen, carbon dioxide) from feed water by continuously measuring oxygen and assessing the risk of corrosion and the necessity of using a chemical application absorbing oxygen
- Procedural evaluation of condensate and feed water systems regarding the external entry of air
- Evaluation of the contamination risk of branched condensate systems following the entry of product or foreign matter
- Evaluation of steam purity through continuous measurement of sodium and conductivity in saturated and superheated steam
- Training of operational staff by means of lectures, courses and specific on-site training

Your Benefits

- Reliable identification of chemical-physical data
- Optimisation with respect to water and corrosion chemistry, chemical engineering and economical operation
- Clarification of the cause of corrosion and scaling/deposition in order to avoid corresponding disturbances in the future
- Rehabilitation and maintenance of operational availability
- External and neutral quality assurance

Our laboratories are accredited as per DIN EN ISO/IEC 17025:2000 and as an inspectorate type A as per DIN EN ISO/IEC 17020.

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