



INTEGRATED PRODUCTS DEAERATORS

Integrating advanced deaerating concepts in state-of-the-art power plant engineering is an challenge. The Stork Spray-type deaerator is a single-vessel patented design with a worldwide installed base of more than 5.000 deaerators.

PRINCIPLE OF PHYSICAL DEAERATION

Integrating advanced deaerating concepts in state-of-the-art power plant engineering is an challenge. The Stork Spray-type deaerator is a single-vessel patented design with a worldwide installed base of more than 5.000 deaerators. Applying the Stork-deaerator in power plant design caters to three needs: reducing capital investment, providing the lowest Total Cost of Ownership (TCoO), delivering excellent performance combined with high reliability. The robust design allows for lifetimes in excess of 25 years and as high as 80 years. Stork's specialists in water/steam systems and deaerating technology assist in analysis of process data and design. For customer service the Deaerator Design Tool is available to allow you to design your own Stork deaerator online. As former boiler manufacturer, Stork is able to integrate deaerating concepts in complicated water/steam cycles. Moreover, the wealth of Stork experience in deaerator retrofits enables Stork to provide improvements in plant availability for the future. Stork-technicians have even shown their retrofitting capabilities in converting dome / tray type designs into Stork Spray type deaerators.

SCOPE OF ACTIVITIES

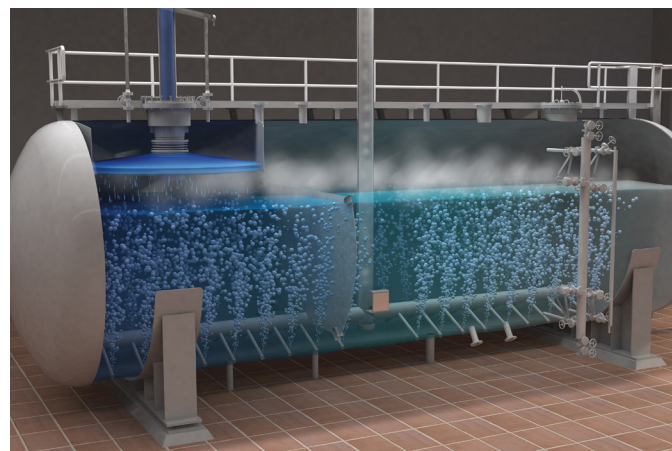
- Customer oriented deaerator design
- Customer support during FEED
- Software tool for Deaerator Designer tool
- Continuous R&D-program, e.g. focusing on steam accumulators
- Manufacturing
- Commissioning
- Retrofits (of existing dome / tray type deaerators)

ADDED VALUE

- Compact design with just a single vessel
- Operating the Stork-deaerator which provides threefold functionality (deaeration, pre-heating, storage)
- Cooperation with Stork as full service provider in deaerating technology Stork's own workshop (16.000 m²) for manufacturing – incl. capacity of partners worldwide
- Applicable in a wide range of power plants: conventional, CCPP, CHP, CSP, nuclear and FPSO's
- Financial: reduced capital investment and the lowest TCoO
- Operational: reliability and availability
- Convenience: single point of contact for your project

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PRODUCT DETAILS



TYPE DEAERATOR	APPLICATION AND SPECIFICATIONS
Horizontal	Application: Standard for power generation, process industry and marine Water flow capacity: 10 t/h to unlimited
Vertical	Application: Where a small footprint is required Water flow capacity: 10 to 650 t/h
Internal drum	Installed inside the LP drum of HRSGs. No external steam source required. Water flow capacity: 50 to 450 t/h
Nuclear	Application: Ideal for nuclear power plants Water flow capacity: unlimited
Vacuum	Full vacuum as well as overpressure design, operating pressure down to 0.2 bar (a) Water flow capacity: 10 to 2.000 t/h
Inside condensor	Applicable, if demi-water deaeration inside of condensers is necessary, operating pressure 0.1 to 0.2 bar (a) Operation with or without external steam source