



Plant Construction

Fluidized Bed Technology
Power Generation
Environmental Protection
Thermal Disposal

Services

Consulting

Since 1946

Design and Construction of

Fluidized Bed Incinerators

- Power Generation
- Energy Recovery
- Environmentally friendly disposal by thermal utilization
- Chemical Processes

Waste Heat Steam Boilers

- Special design boilers for placement downstream fluidized bed incinerators



Application range

- Biomass, waste wood, bark, secondary fuel
- Ballast coal, low quality coal, pyrolysis coke, coal sludge
- Residuals from paper-, cellulose- and chemical industry
- Sewage sludge, waste sludges from industry and refineries
- Domestic waste, waste from slaughter house, carcass
- Pyritiferous ore

Performance

- 0,5 to 85 MW thermal capacity, thus covering the entire range of technically and economically appropriate use

Performance and Success

- More than 100 RASCHKA-references in Europe and Asia
- RASCHKA – Fluidized Bed Incineration Plants: generally accepted as a landmark and state of the art

Additional services

- Project planning
- Project development
- Project management
- Supervision of erection, commissioning and start-up
- Engineering services
- After-sales-services
- Revisions, retrofits
- Consulting services (technical matters, organisation, process, efficiency, cost cutting, problem solving)

Customer-oriented solutions

- Taylor made services meeting exactly client's individual requirements, turn-key from material reception to stack



RASCHKA Fluidized Bed Incinerator

- Air distribution system: ceramic nozzle bottom, alternatively steel bottom or nozzle system permeable for foreign matters, special design air nozzles for even and exact air distribution
- Discharge of bed material and foreign matters during operation of incinerator
- Combined injection of gas, oil or water directly into the fluidized bed by means of special design injection lances
- Fuel and sludge feeding into the incinerator by means of the RASCHKA - spreader which serves for an even distribution over the entire cross section of the fluidized bed
- Secondary air injection for controlled staged combustion
- Long retention time and low flow velocity in the freeboard, thus excellent complete combustion

Additional Plant Components and Services

- Material reception, -storage, -conditioning
- Sludge dewatering and sludge drying
- Fuel and sludge conveying and feeding into the fluidized bed incinerator
- Special designed waste heat steam boiler systems
- Flue gas treatment
- Ash-discharge, -conveying, -storage, -loading
- Piping and pipe systems
- EMC-technology
- Steel construction
- Housing
- Civil works
- Complete turn-key procurement
- Commissioning
- Staff training
- Plant life cycle services
- Wear and spare parts

Contact

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