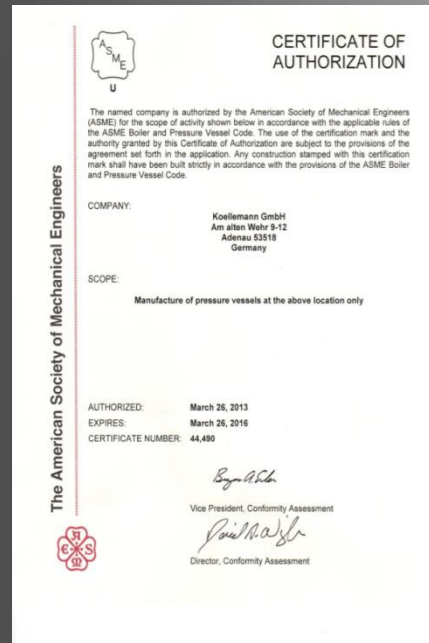


THE COKE - PREHEATING EXPERTS



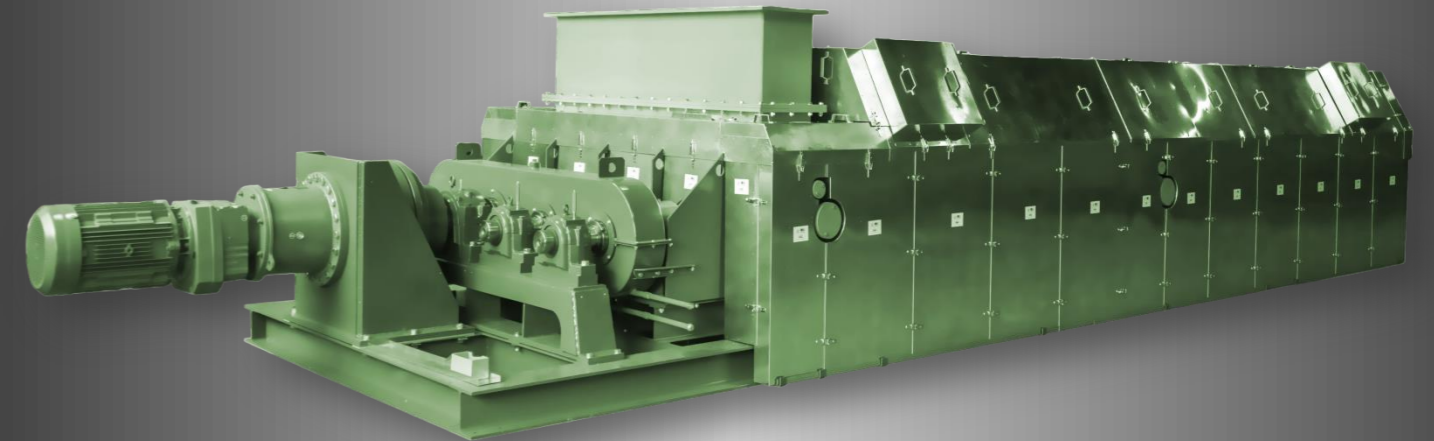
ASME (Pressure-Vessel Section 8)



ISO 9001:2008



AD2000 / HP0



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PREHEATERS

Köllemann GmbH



PREHEATERS

Köllemann GmbH

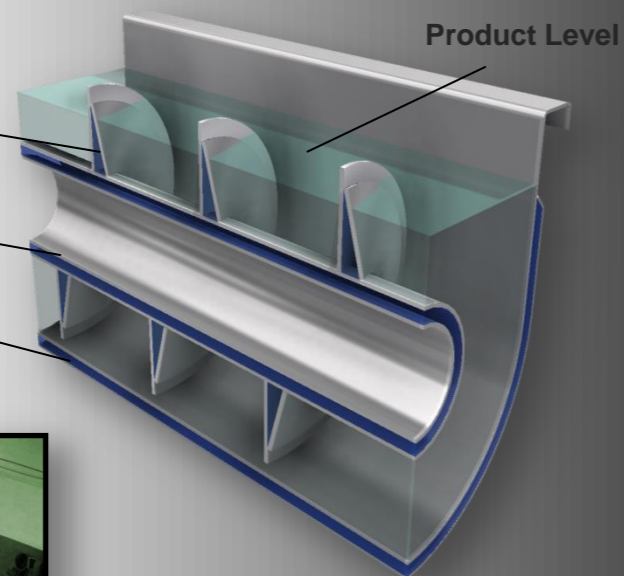
COKE - PREHEATERS

DESIGN FEATURES

- Hollow Flights
- Medium guidance in shaft tube by annular gap
- Medium guidance in housing by special inner shape
- Shrunk-in and additionally welded shaft journals
- Multi-shaft design with double bearings
- Bolted shaft passages for easy maintenance and easy shaft replacement
- Special KÖLLEMANN high-temperature bearings which takes up the whole thermal shaft-elongation
- Wide choice of shaft-sealing-types (acc. to process conditions)
- Modular insulation for easy maintenance

HEAT EXCHANGING SURFACES

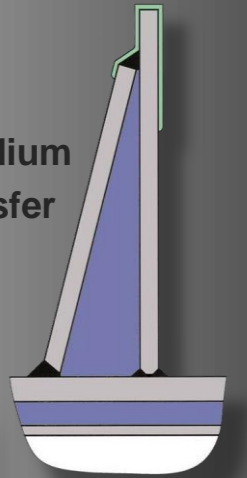
- Hollow Flights
- Tube with annular gap
- Double-Walled Trough



COKE - PREHEATERS

HOLLOW FLIGHTS

- Low thermal stress of the flight material
- Safe separation of bulk material and heat transfer medium
- Maximum heat transfer as bulk material and heat transfer medium are separated only by the flight wall
- Free choice of heat transfer medium (water, steam, thermal oil, brine, freezing agent etc.)



CAPACITY

- 2 - 60 to/hr Anode Coke
- Heated from 0°C to max. 220°C (higher temperatures under development)
- Heat-exchanging-surfaces of 300m² and more



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