

# BERTSCHenergy

Power Plants  
Process Equipment

95  
YEARS

TRADITION  
QUALITY  
KNOW-HOW  
SINCE 1925

## OMIRA dairy plant / DE

Reference Sheet



# BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925.



## »Combined cycle power plant with a gas turbine, 1.7 MWe«

Turnkey combined cycle power plant with gas turbine and high-pressure steam boiler plant and secondary firing as well as fresh air firing operation.

High-pressure steam boiler system for a maximum continuous steam output of 30 t/h, a permissible operating pressure of 42 bar and a live steam temperature of 450° C, including a combined gas/light oil firing system and accessories.

Due to limited space the installation and commissioning took place in two steps:

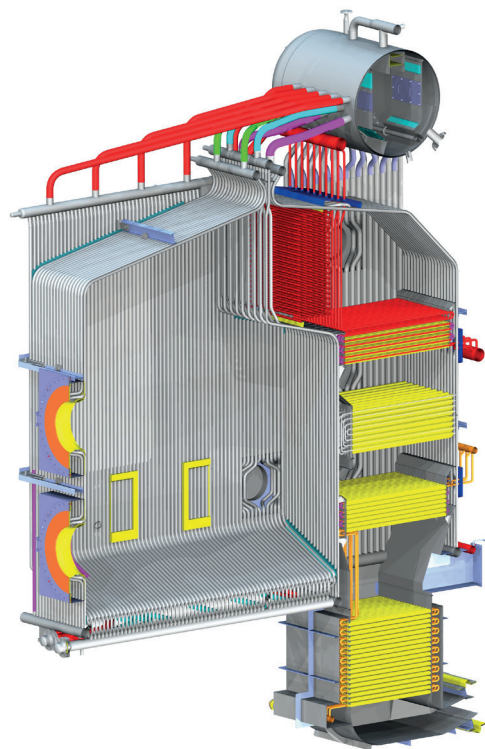
- First the boiler with its firing system
- Second the gas turbine and the equipment for combined operation

### TECHNICAL DATA

» Gas turbine power output	1.7 MW
» Steam flow (MCR)	30 t/h
» Steam pressure	32 bar (a)
» Steam temperature	450° C

### SCOPE OF SUPPLY

» Heat recovery steam generator
» Gas turbine
» Burner (natural gas and diesel firing) fresh air operation as well as combined operation
» Bypass system
» Feed water system
» Water steam cycle
» Control system, electrical engineering
» Integration in existing plant



Gas-train



Lifting of boiler