

BERTSCHenergy

Power plants
Process equipment

90
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Process Heat Recovery System for Sulfuric Acid Production

Reference Sheet



BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

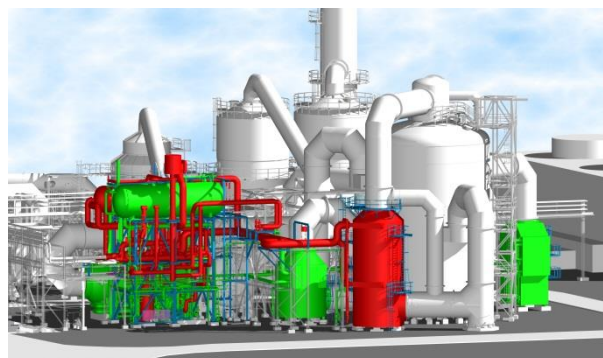
»Complete process heat recovery systems in Venezuela and the Ukraine - Commissioning 1st quarter 2011 «

Sulfuric acid is one of the most important basic chemicals for the production of fertilizers, construction materials, explosives, detergents, batteries and dyes.

Sulfuric acid is primarily manufactured through the Claus process (combustion of sulphur, oxidation, conversion into acid).

Our heat recovery system carefully cools the different process gas flows to the necessary temperatures and generates steam and so valuable energy from the heat.

Our know-how with heat engineering and our compact constructions are serving worldwide.



2 complete process waste heat systems



TECHNICAL DATA

| | |
|--------------------------------------|--|
| » Design-code | AD 2000 + Gost |
| » Process gas flow 100% load | 2343,000 resp. 145,000 m ³ n/h |
| » Thermal power | 117 resp. 76 MW |
| » Steam output | 165 resp. 96 t/h |
| » Design pressure steam generator | 41 resp. 59 barg |
| » Steam temperature at battery limit | 380 resp. 460 °C |
| » Weight main component | 175 resp. 128 to |



SCOPE OF SUPPLY

- » Evaporator system (boiler, drum, downcomers and risers)
- » Superheater
- » Economiser
- » Feed water supply
- » Connecting pipes
- » Fittings
- » Steel structure for bearing an operation
- » Field devices
- » Measurement and control technology

