Reference Project

The Shard London Bridge

London, United Kingdom

Frese OPTIMA Compact

- Max diff. pressure: 400 kPa
- Operating temp.: 0 to 120°C
- Dimensions: DN10-DN32
- Flow rate: Up to 4000 l/h
- Material: DZR brass
- Static pressure: PN25
- For cooling and heating applications

Frese MODULA

- Dimensions:
  MODULA: DN15-DN20
  MODULA Pro: DN15-DN25
- Max differential pressure:
  Se Control Valve spec
- Material: DZR brass
- Static pressure: PN 16
- For cooling and heating applications
- Allows backward and forward flushing and coil isolation

Project

The tallest building in the European Union

The Shard London Bridge is a skyscraper in Southwark, London. Standing almost 310 meters tall, it is the tallest building in the EU. It is also the second-tallest free-standing structure in the United Kingdom, after the 330-metre concrete tower at the Emley Moor transmitting station.

Renzo Piano, the Shard's architect, worked with the architectural firm Broadway Malyan during the planning stage. The Shard London Bridge was designed with an irregular pyramidal shape from the base to the top, and is clad entirely in glass. The tower has 72 habitable floors, with a viewing gallery and open-air observation deck – the UK's highest – on the 72nd floor, at a height of 245 metres. Its structure was completed in April 2012.

The Shard London Bridge is to contain office space, a 200-bed 5-star hotel, three floors of restaurants and ten apartments (priced at approximately £50 million each).

Solution

Frese OPTIMA Compact & Frese MODULA were installed to ensure the hydraulic balance of the piping and the right temperature in the hotel and office areas.

KNOWLEDGE · QUALITY · INNOVATION · MANUFACTURING EXCELLENCE · CUSTOMER FOCUS

Frese
Energy-saving valves

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