



Special solution for district heating Bremen, Germany



Project

- District heating transfer station, Bremen
- Customer: HKW Blumenthal GmbH
- Project duration: 6 months

Task

- Design and supply of a customised system for the external installation of the vessels, incl. FEM analysis and wind load calculations

Special site conditions:

- Installation of the vessels on a concrete cover above a large utility shaft
- Compliance with the base plate hole pattern for precise positioning on a steel structure

Technical challenge:

- Load distribution by means of a steel structure made of double T-beams

Product solution

- 1 × Variomat Giga GH 140 S + GS 5,5 400/50
- 1 × Variomat Giga GG 27.000 GY 0,5 b DN 100/6 BoB-R
- 1 × Variomat Giga GF 27.000 GY 0,5 b DN 100/6 DUO
- 1 × BoB Rohr 27.000 DN 80/16, adjustable
- 1 × Servitec Lev. 160-4-S 90C

Special technical adaptations:

- FEM analysis and wind load calculations for the external installation of the vessels

Achieved goals

- Customised solution tailored to the customers specific requirements
- Precise positioning of the vessels on a steel structure to ensure optimum load distribution
- Development of a steel structure made of double T-beams for load distribution