



Thinking solutions.

## DEW 21 Dortmund Energy & Water Supply GmbH, Germany



### Performance parameters

- Temperature: 120 / 70 °C
- Safety Temperature Limiter: 130 °C
- $p_0$ : 5–7.5 bar
- Max. pump delivery pressure: 7.5 bar
- Safety valve: 16 bar

### Task

- Due to space constraints, the hydraulic module (Reflex GH 100-S-F GY) was built in a separate configuration. The overflow section was therefore mounted upright on a mounting wall.
- The vessels were to be mounted on bolts already set in concrete (axial play of the holes  $\pm 2$  mm). For this purpose, each vessel was measured and the measurement reports were sent to the construction site.

### Product solution

- 2 × Reflex GG primary vessel 27,000 l, 6 bar, 1 × BOB pipe each
- 6 × Reflex GF secondary vessel 27,000 l, 6 bar, Duo water connection
- 1 × Reflex G control vessel 2,000 l, 16/3.5 bar
- 1 × Reflex GH 100-S-F, 100-S-F GY
- 3 × pumps
- 1 × S7 control cabinet

### Achieved goals

- An old coal-fired power plant was replaced with a new gas-fired power plant, which meant that the new construction also required new pressurisation.
- Reflex implemented an additional pressure maintenance system in order to guarantee 100 per cent supply security for end customers by combining several networks in the city of Dortmund.