

PLEASANT BATHING WITH DISTRICT HEATING — HEAT GENERATION THROUGH CHP & COMBINED HEAT AND POWER GENERATION



The forest bath Sehnde from above

Photo: GoogleMaps

Initial situation

The Waldbad Sehnde of the Stadtwerke Sehnde GmbH has been properly re-equipped this year. At last, swimmers and bathers can jump back into the water at pleasant temperatures. Our stations supply both the large swimming pool and the small non-swimmer pool.

The energy source is a CHP & combined heat and power unit for electricity and heat generation. The new CHP went into operation at the beginning of September and now heats the pool to a comfortable 24 °C. Good news for all swimming enthusiasts the season time is extended until September 30, 2021.

Hydraulic diagram and Technical drawing of the station on page 2.

If you have any questions, please do not hesitate to contact us.

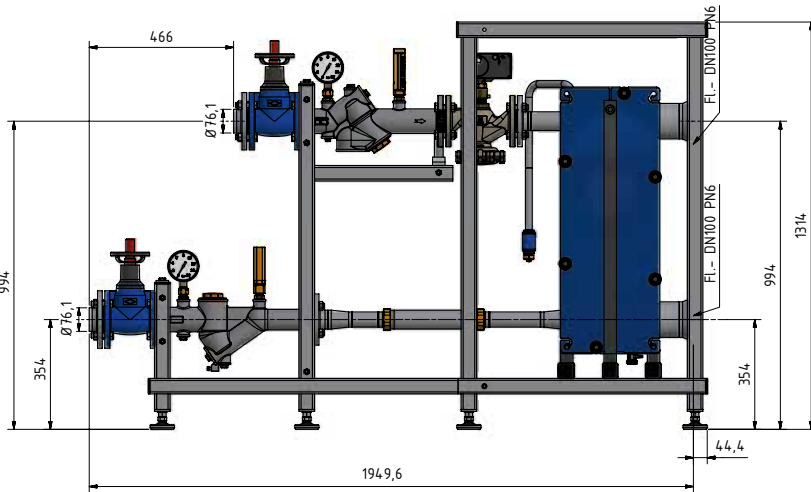


Station for large basin



Station for small basin

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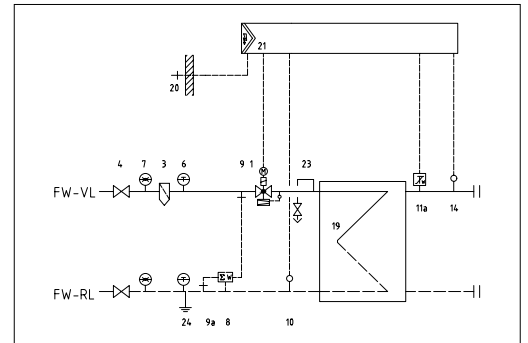


District heating station for large basin

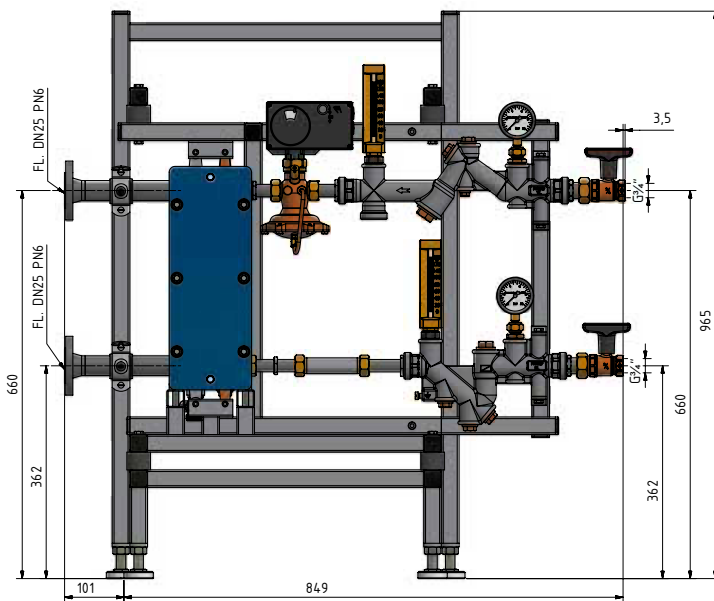
The ewers solution

District heating station for large basin

- Power: 400 kW
- Nominal width: DN65 / DN100
- Pressure stage: PN10 / PN6
- Temperatures: Primary 70/40 °C
Secondary 35/24 °C



Hydraulic representation

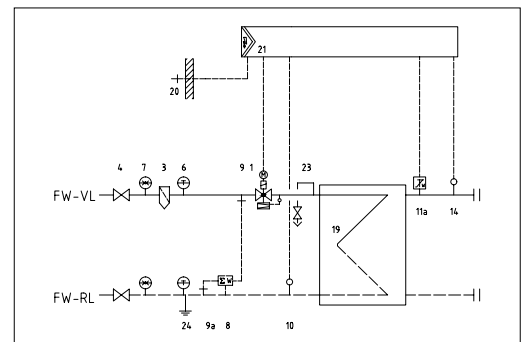


District heating station for small basin

The ewers solution

District heating station for small basin

- Power: 30 kW
- Nominal width: DN20 / DN25
- Pressure stage: PN10 / PN6
- Temperatures: Primär 70/40 °C
Sekundär 35/24 °C



Hydraulic representation

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