







## **Facts & Figures**



- Heat transfer fluid
  - Pressurized water
  - o Steam
  - o Thermal oil
- o Receiver SCHOTT PTR® 70
  - Maximum pressure up to 120 bar (different versions 40, 60, 120 bar)
  - Maximum temperature
    up to 380 °C with thermal oil
    up to 330 °C with saturated steam or pressurized water
  - Thermal loss per m² of primary reflector
    u1 = 0.00043 W/(m²K²) (according to DLR)

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## **Summary Advantages**



solar heat for industry

- Low wind load
- o Good weight-spread
- o High ground usage factor
- o No north-south alignment necessary
- o Primary mirrors made of flat glass vs. aluminum (durability, reflectivity)
- o Precise temperature and power control
- Less absorber tube per m² allows high quality
  70 mm vacuum absorber tube (industrial standard)
- Remote control and monitoring via LAN and internet
- o Stationary receiver, no flexivle connections
- Concentrated sunlight hits absorber tube always from below
- o Easy cleaning (flat glass / good access)
- o Low water demand for cleaning
- o Reliable components (mirror/tube/drives)

Rooftop installation

**Industry** 

**Steam** 

Low O&M

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