



Molten Salt Circulation Pump for Parabolic Trough Concentrated Solar Power

About Sulzer Pumps

Sulzer Pumps is recognized for excellent product quality, performance reliability, technical innovation and performance reliability required for a wide range of applications in the Power Generation Industry.

As a global leader our knowhow and competitiveness is based on many years of experience in the manufacturing of pumps.

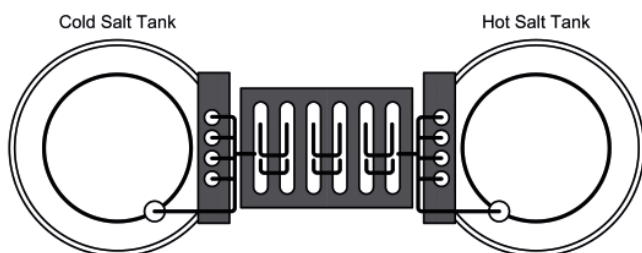
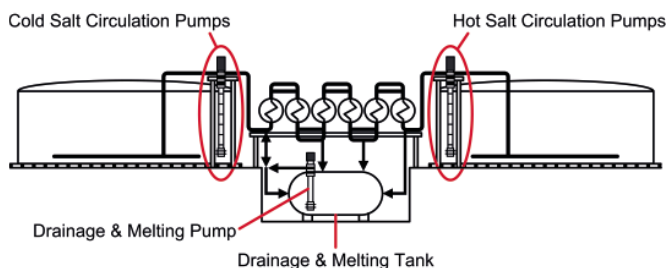
Sulzer Pumps offers products and aftermarket services for all types of power plants:

- Renewables
 - Solar (CSP)
 - Biomass
 - Geothermal
 - Pumped Hydro Storage
- Carbon Capture and Storage
- Nuclear
 - Nuclear Island
 - Turbine Island
- Fossil-fuel fired
 - Steam (Coal & Oil)
 - Combined Cycle (Gas)

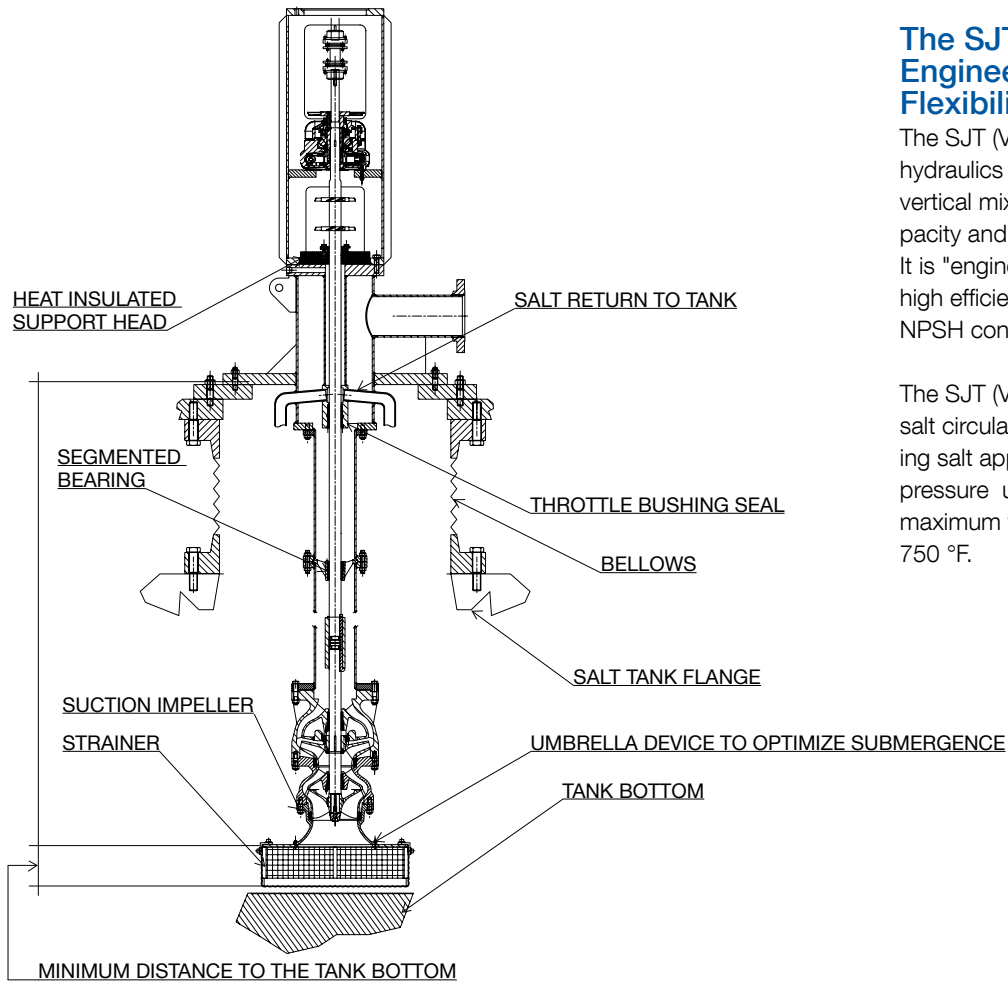
Molten Salts Extending the Operation Period

Molten Salts are increasingly used today in CSP plants for heat storage or as primary Heat Transfer Fluid (HTF) due to their high specific heat capacity. When a thermal storage reservoir using molten salts is integrated into a CSP plant, electricity can be generated even after the sun goes down, with an extended operation period of up to 6-8 hours.

Vertical pumps mounted in tanks are preferred nowadays to simplify the molten salt system. This eliminates the pump sumps, isolating valves, level instrumentation and associated heaters. It also reduces heat losses and allow the steam generator system to drain directly into the tanks.



SJT (VCN) for Parabolic Trough

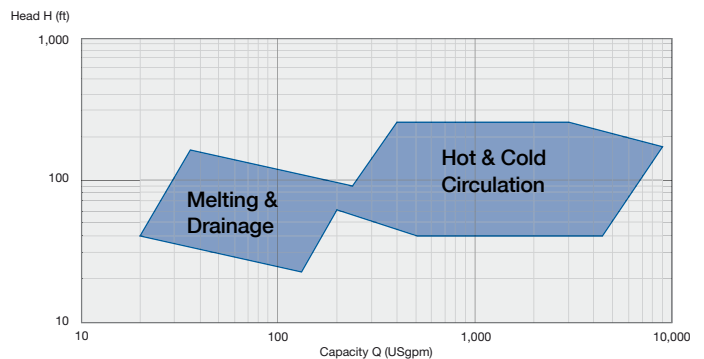
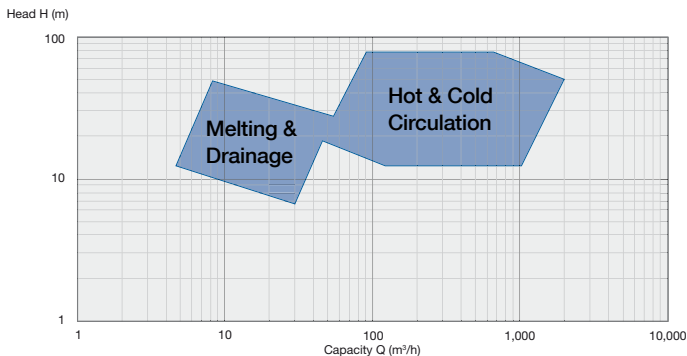


The SJT (VCN) Pump Engineered for Application Flexibility

The SJT (VCN) incorporates the hydraulics from the SJT range. It is a vertical mixed flow pump with high capacity and medium to high head units. It is "engineered to order" to balance high efficiency, low submergence and NPSH considerations.

The SJT (VCN) pumps for cold & hot salt circulation and drainage & melting salt applications has a maximum pressure up to 16 bar / 230 psi, and maximum temperature up to 400 °C / 750 °F.

SJT (VCN) Performance Ranges



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