

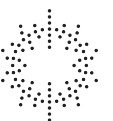


Copenhagen Atomics Salt Tanks

Salt transport tanks with a 1,000-liter capacity, built-in heaters, and a gas system.



Photo showing version 3.1 transport tank. Version 3.2 will have stainless steel box shroud around the insulation.



The salt tank

Introduction

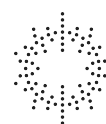
Efficient, high-temperature molten salt transport tanks with precise heat control, corrosion resistance, and seamless integration for industrial applications.

✓ The salt storage / transport tank with integrated heating elements is the ideal solution for efficient storage and temperature regulation of molten salts. Built with durability in mind, this tank is made using 316 stainless steel, offering superior resistance to corrosion and high temperatures up to 650°C.

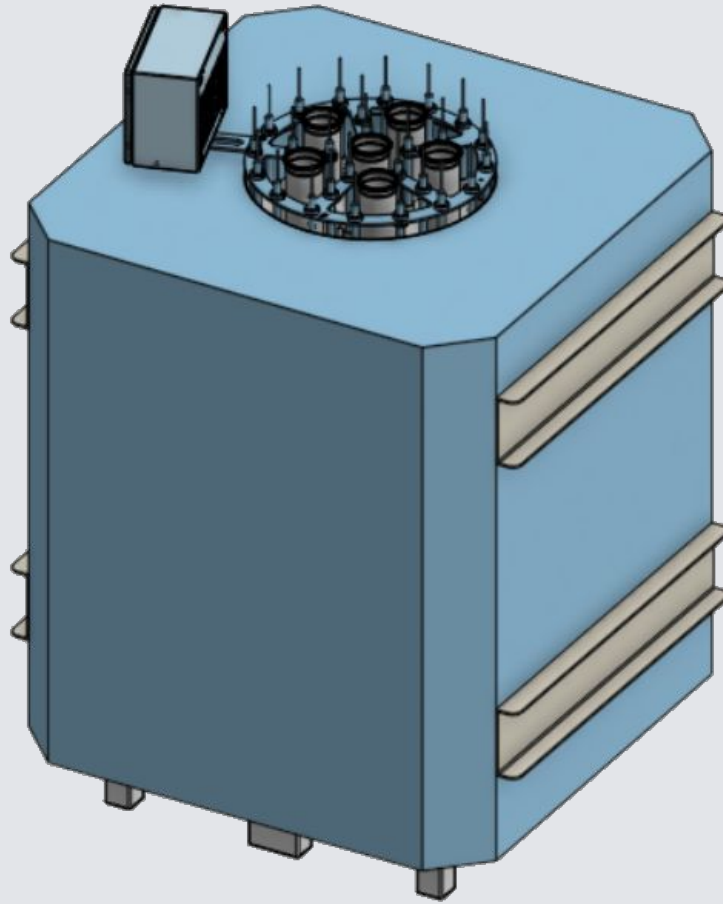
✓ The sleeved heating elements ensure that your molten salt is maintained at even temperatures, preventing crystallization and ensuring continuous, reliable loading and unloading of salt into any sister system. Perfect for industries and research institutes working with thermal energy storage and or nuclear grade molten salts.

✓ With a robust design, the tank is capable of holding large volumes of molten salt up to 1m³, while providing a consistent, even heat distribution throughout. The easy-to-use control system allow for precise temperature and pressure adjustments through our cloud interface and mobile phone webUI.

✓ These tanks have a dip tube almost to the bottom of the tank, which allows the control system to transfer salt out of the tank simply by applying some mBar of pressure.

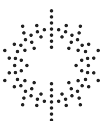


Specs



Generic salt tank technical specifications

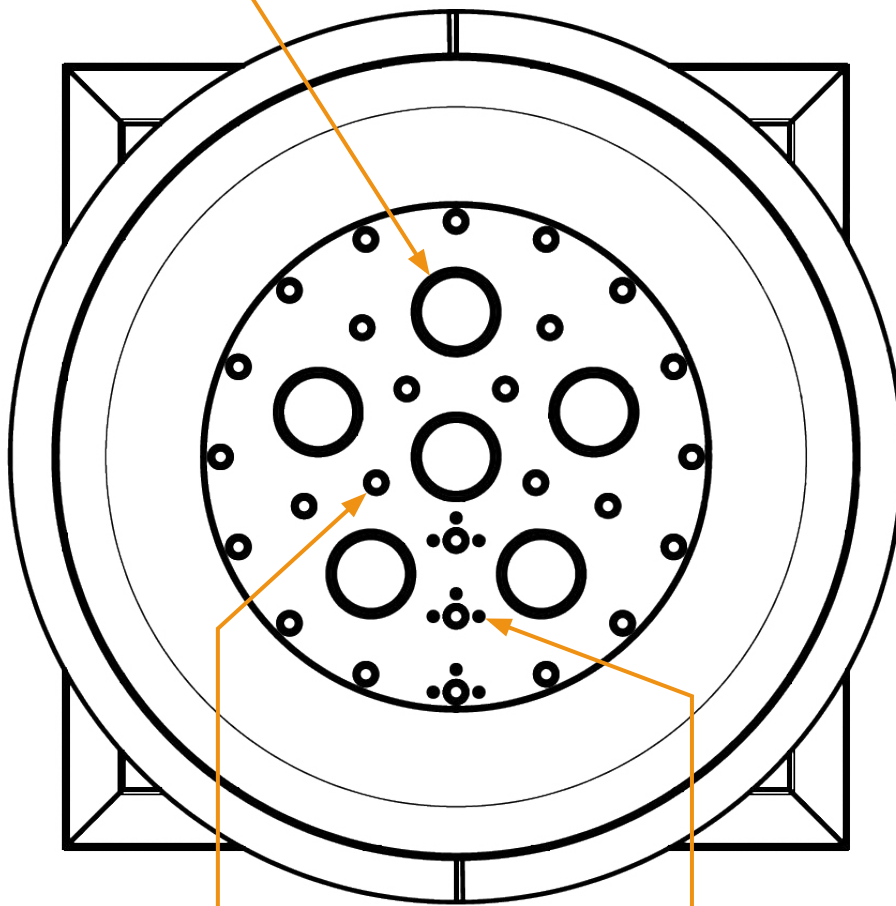
Empty weight	750 kg
Total internal volume	1100 liters
Usable internal volume	1000 liters
Bounding box (width x length x height)	1500mm x 1500mm x 2300mm
Tank material	SS 316L (1.4404 equivalent)
Frame material	SS 304 (1.4301 equivalent)
Max. operating pressure	0.5 bar
Test pressure	5.0 bar (hydraulic for 45 min)
Pressure during transport	0.0 bar (unpressurized Argon cover)
Max. operating temperature	650 °C



Specs

4 inch fillings/ports.

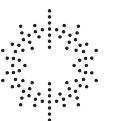
Ports are sealed with gaskets and blind caps, during transport the clamps are wire-sealed.



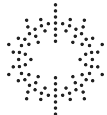
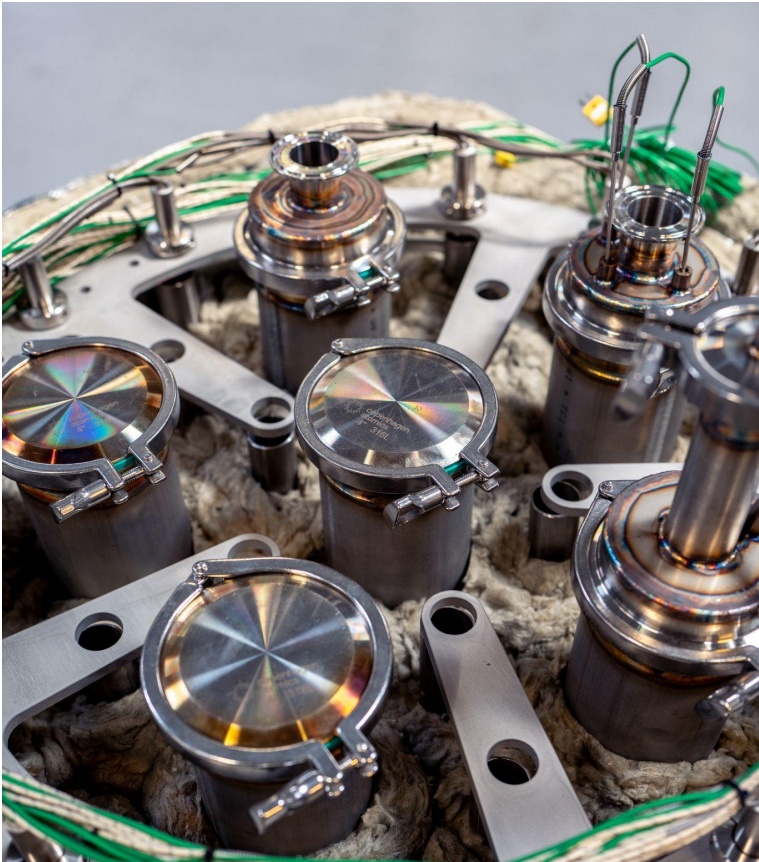
Sleeve for
heating element

Sleeve for
thermocouple

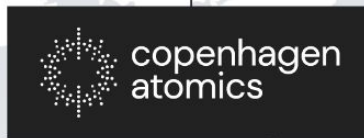
CA also support integration with scale, which allow you to program and measure load or unload salt weight.



Product photos



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