

Crystallizers evaporative – Salt and sucrose producer through vaporization



We at alacquinc.com manufactures different types of crystallizer including crystallizers cooling & crystallizers evaporative. In such crystallizers, crystallization takes place to convert the liquid state of material to solid. The fine molecules of the liquid when coming into the effect of temperature, pressure, and agitation, they form tightly bonded and highly organized arrangement called crystals. We get highly uniformed crystals in crystallizers cooling with the energy efficient agent. A high amount of energy is saved as heating for the evaporation process is not required. Flash cooling is a common method of crystallizers cooling in which a portion of the liquid is evaporated, thus removing the latent heat and allowing the cooling process to occur.

What are the common usages of crystallizers?

- Production of salt and high-purity products.
- Generation of chemicals

- Evaporation of phosphoric acid from a mixture and solids recovery
- Purification of organic compounds
- Achievement of liquid & solid separation



In [Crystallizers Evaporative](#), the solution containing the solvent and soluble substance is heated until the solvent evaporates out and crystallized soluble material remains. Crystallizers evaporative consumes an immense amount of energy as it requires heating the component and obtaining the crystals. We have created such ultramodern crystallizers cooling equipment which produces high-purity products of supreme quality. The design and processing line of the machinery is quite energy efficient. Our crystallizers are used in different industries naming salt, chemicals and agriculture industry.

Designed apparatus by [alaquainc.com](#) is technically advanced as such goes wrong extensively less. Our capable and well-versed organization members always ensure that product developed by them have high safety rating and minimal damage costs. Spare parts and accessories of the crystallizers evaporative and crystallizers cooling are not too expensive to replace and revive. We provide complete training of the mechanism of the crystallizers to industry workers as and

if required. As far as the concern of energy consumption rate exists for heavy machinery like crystallizers, we demonstrate our claims at the selling store or demo center. Zero Liquid Discharge is the point which is acquired by our crystallizers by eliminating liquid wastes. It is a praiseworthy step to support the movement of a clean environment and no water pollution.



Primarily, sea water or salty water is processed by a salt crystallizer to produce both solid salt crystals and clean water. The potential of a brine concentrator is such that it can regain up to 99% of wastewater for reuse. A type of evaporator labeled as wastewater concentrator converts waste-saturated industrial wastewater into distilled water for reuse. Our giant network of clients are spread across various countries branding their enterprise as MNC (Multi National Company). We provide sales, repair, replacement and regular maintenance service of our all range of devices on appointment. Our crystallizing instruments are used in chemical processing, manufacturing, mining, power stations, and many other industrial applications. Most of the fees and charges applied for specific service are modest, unlike our competitive manufacturing units. Our engineers and their associates will always be present for your assistance – that's not a promise but commitment.