

DRYCOOL Systems India (P) Ltd

Constructability | Sustainability | Maintainability

CHEMICAL & PHARMACEUTICAL CHILLERS



ISO 9001-2015 Company



DRYCOOL Systems is one of the leading suppliers of brine chillers, chemical chillers, methanol chillers for applications in which Pharmaceuticals, Agrochemicals, Polymers, Additives, Surfactants, Pigments, Dyes, etc are being manufactured. Drycool's export design and manufacturing team ensures that the medicinal or the petrochemical product receives complete coverage of a high volume of brine, which provides total temperature uniformity within the batch. This lowers operating costs per kg of product, reduces floor space required and improves shelf-life. The speed and uniformity in reaching the desired chill temperature will allow immediate packaging, which further saves inventory costs.

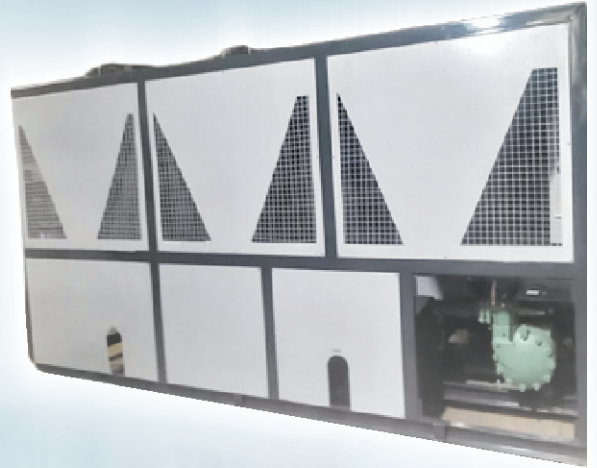


We use open type compressors, semi hermetic compressors which can provide brine or methanol temperatures from – 5 deg C upto – 80 deg C. Heat transfer through drycool's brine chiller system is substantially faster, and results in a more uniform product temperature reduction. The best-in-class manufactured by Drycool have earned us a reputed name of a world class chiller manufacturer in the pharmaceutical industry, polymer industry, Agrochemicals industry, petrochemical industry, chemical industry.

BRINE CHILLERS

DRYCOOL make Brine Chillers for application demanding temperatures ranging from + 6°C to -65°C. Our Brine Chillers are unbelievably compact and modern. The Use of hermetically sealed compressor form Emerson, Danfoss and Copeland have made our chiller packages highly energy efficient. Further, the use of

sophisticated two stage compressors with sub-cooler and related accessories have eased the achievement of temperatures as low as -65°C. Our Chiller packages can be integrated with insulated Brine Storage Tank and re-circulating pump. These chillers find wide application in Chemical Process plants, anodizing / electroplating plants, laboratory applications, latex cooling etc.



GLYCOL CHILLERS

A Glycol Chiller is a chilling system that uses a percentage of glycol mixed with water to create extremely low temperatures far beyond the freezing point of water. The two types of glycol are ethylene glycol based or propylene glycol based. The antifreeze nature of glycol ensures that the coolant remains in a fluid state in order to reach its low cooling points. In most chiller units, an ethylene or propylene glycol mixture with water is at a ratio of 60% to 40%.

By increasing the percentage of glycol, the antifreeze properties of the mixture are significantly improved, which is useful when rapid cooling is necessary. Glycol mixtures have enhanced heat transfer characteristics, a major part of the cooling process.

METHANOL CHILLERS

Methanol Chillers are designed for using methanol water as the cooling media, in place of glycol or brine up to low temperatures of up to Minus 30°C (evap. temp.).

Methanol being flammable, the system should be flameproof, or alternately the evaporator and the machine are made in two separator skids, with the refrigeration skid being installed in the safe area. The evaporator is installed remotely in a separate skid, and all the instruments on this skid is of flameproof design.



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