

Eutectic fluid (Brine) Freezer provides a quick freezing solution...



ITC's Eutectic fluid (brine) freezer provides a quick freezing solution for all your product needs. With variable-belt-speed design, a wide range of IQF products can be processed with fast freezing time. The brine freezer ensures less shrinkage, weight loss, and dehydration of your products by using Sodium chloride (NaCl) or Glycol as a freezant that quickly freezes the products in a matter of minutes without causing freezer burns to the texture.

The freezer features all corrosion-resistant stainless steel construction for both the interior and exterior to ensure cleanability and hygienic design, brine heat exchanger with special material to ensure durability, as well as special brine mixing and brine make-up. Modular belt design enables ease of maintenance and allows for quick replacement. Our state-of-the-art electro-mechanical control panel, with PLC (optional), ensures smooth operation at a touch of a finger.

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Eutectic fluid (Brine) Freezer Data

Model	BF-212240	BF-212305	BF-212420	BF-212580
Shrimp Capacity (kg/hr)	1000	1500	2000	3000
Refrigerant	Sodium chloride			
Refrigerant Temp.	-15 to -20 °C			
Belt speed	Variable speed			
Casing Material	Stainless steel 316			
Plate Material	SMO254			
Circulation Pump	Stainless steel 316			
Length, L (m)	4.38	5.03	6.18	7.78
Overall dimension (m)	3.5 x 2.8 x L			

**Note : The technical specifications are available according to product information and/or other Eutectic frezant*

The basic features of Eutectic fluid (Brine) Freezer

- Exterior and interior of enclosure are all stainless steel construction
- Electro-mechanical control panel. The PLC can be quote as optional
- Hygienic and easy to clean inside
- Modular belt easy for maintenance and fast to replace
- Optional Stainless steel or HDPE piping material



Advantages

- No weight loss
- Less energy compare with other type of freezer
- Fast freezing time for IQF
- Independent belt speed for multi-purpose freezing
- Special Plate Heat Exchanger material for long life
- Special design for mixing and make-up brine solution

