

About

The CES modular spiral freezer consists of a freezer belt encircling a rotating drum. The belt enters at the infeed location and wraps in a helix to the outfeed location, where it makes a discharge. The belt returns through an automatic tensioner and take-up. The heart of the structural system is the drum, which acts as a friction drive for the inside edge of the belt. The injection system and its controls depend on the cryogenic refrigerant used, size of the freezer, and products to be cooled or frozen.

Standard Features

- Allen Bradley PLC Controls
- Ethernet Ready
- 5" Cryogenic Grade Polyurethane Foam
- Stainless Steel Mesh Belt
- Adjustable Overdrive
- One Day Installation (One Piece)
- Solid Welded Structure
- Proportional Control Valve
- Sloped Surfaces (Easy Drain)
- Programmable Recipes
- Stainless Steel Fan Motors
- Safety Interlocks
- Sealed Closed Drum (Easy Clean)
- Touch Screen HMI

Options and Accessories

- Product Guide Rails
- Stainless Steel Exhaust Blower
- Stainless Steel Gearbox
- Custom Design Units Available
- Remote Electrical Panel
- Clean-in-Place System
- Extended In-feed Conveyor
- Down-Cage Spirals
- Variable Speed Frequency Drive
- Belt Layouts: 90-180-270 Degrees

Benefits

- Locks in food flavor & moisture
- Low-footprint
- Easily adapted for line expansion
- Application specific
- Low capital investment
- LIN or/and LCO₂ as refrigerant
- Increased production abilities
- Adheres to USDA and OSHA guidelines
- UL and CE certified



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