



Spiral Conveyors



APPLICATIONS

- Ambient Product Cooling
- Product Retarding
- Product Freezing
- Product Proofing
- Product Accumulation
- Product Retention

STANDARD FEATURES

- 100% Stainless Structure
- VFD Drives
- USDA Approved Belting
- PLC's with Operator Interface
- NEMA 12 Panels

OPTIONS

- Automatic Belt Washing
- Refrigeration Coils and Fans
- Cam-lock Enclosure Panels
- Additional Access Doors
- Lighting Upgrades
- Electrical Upgrades

800.356.7591

The Henry Group's Spiral Conveyor Systems are designed for various applications. Systems include spiral cage conveyor with variable speed drive, optional belt wash system, optional full enclosure, optional refrigeration coils and fans with all necessary controls mounted in a NEMA 12 system control panel. We design our Spiral Conveyors to meet rigorous production needs and capacity. Through careful selection of spiral diameters based on the available ceiling height we can minimize floor space requirements and provide the most efficient conveyor system for our customers needs.



Spiral Conveyors

Spiral Configurations

Single Spirals are available with upper infeed and lower discharge or lower infeed and upper discharge. The Double Spirals come with either upper infeed and discharge or lower infeed and discharge. Custom diagonal infeed or discharge orientations are available by request. The orientation and location of refrigeration coils, fans or other accessories are determined by the specific requirements of the application.

Spiral Support Structure

Consisting of a heavy duty all stainless steel construction utilizing a sanitary welded closed end tubular support frame.

Enclosure Construction

Walls and roof panels are 3½" thick with foam core insulation and bonded 304-2B stainless steel interior and exterior. The panels feature cam-lock fasteners incorporated into a tongue-and-groove framework to provide a tight energy efficient seal.

Spiral Conveyor Belting

USDA approved natural acetel plastic belting with high open area (approximately 50%). Benefits include easier cleaning and improved cooling through large openings in belt design.

Belt Washing System

Sanitation is improved with the use of the optional belt washing system. The belt washer utilizes line water pressure through spray nozzles to clean away product debris.

Lighting

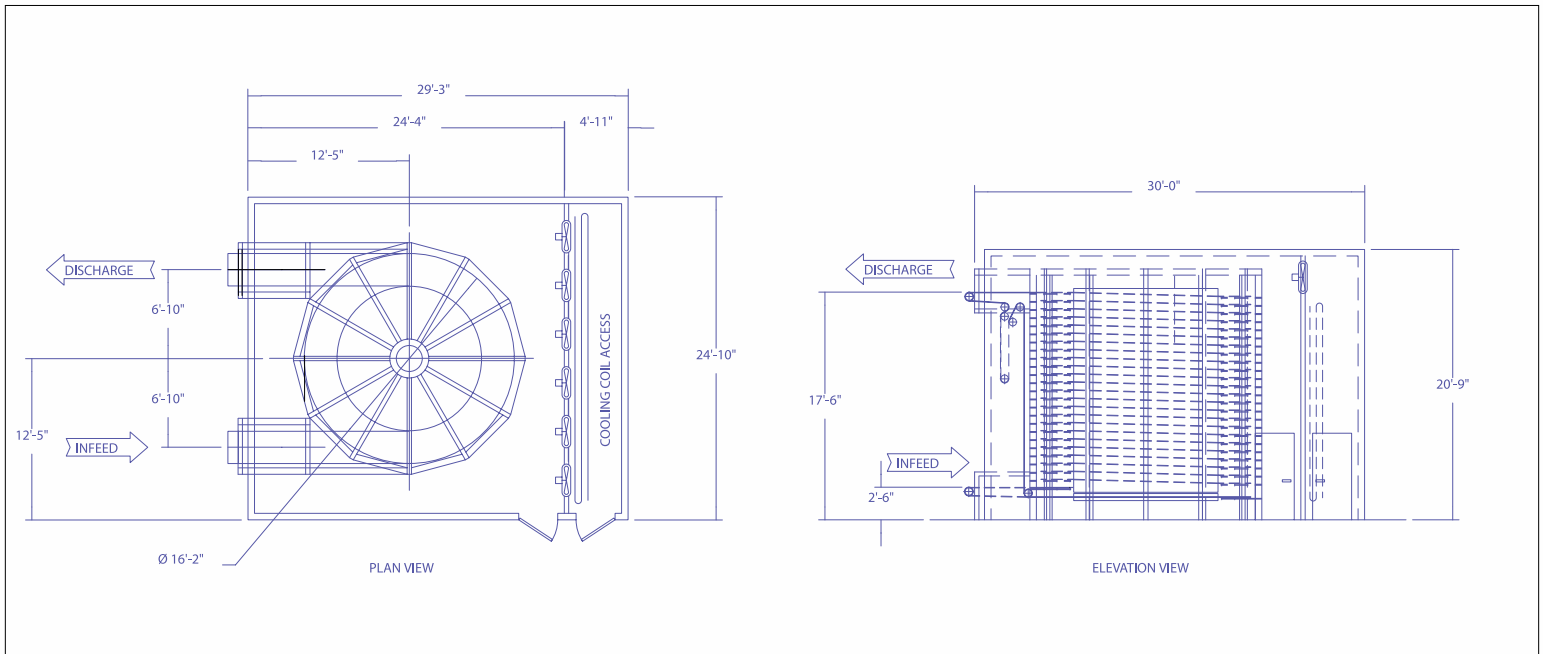
Optional interior lighting is provided by moisture resistant fluorescent light fixtures placed to provide illumination in all areas of the optional enclosure.

Temperature Control

Temperature control, when required is controlled through the provided PLC controller. Input to the PLC is provided through the use of multiple RTD sensors and programmable controller.

Electrical Controls

Nema 12 prewired control panel painted bakery white. Panel includes Programmable controller, AC variable frequency drive inverter. The operator interface provides access to all control functions and settings including display of cooling time and temperature. Also displayed are operational and alarm messages. Safeties include Belt Take-up & Tension safeties, Multi-tier Belt Lift, and Perimeter Pull Cord safety. All machine mounted electrical components required for operations are provided.



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