



SPIRAL FREEZING & CHILLING SYSTEMS

www.lomaxtech.com

WORLD LEADING SPIRAL FREEZING & CHILLING SYSTEMS

LOMAX DELIVERS INNOVATIVE WORLD LEADING SPIRAL FREEZING & CHILLING SYSTEMS ACROSS THE GLOBE.

When it comes to high capacity freezing, chilling or ambient cooling of food products, spiral technology has been used for over four decades. Throughout this period Lomax has evolved to supply innovative engineered spiral solutions to the world's food industry. Our spiral systems are renowned for their robust, solid design and can be offered as either single or twin drum systems in many configurations, to suit the factory production scheme.

Unsure of the specification?

We have access to world leading testing facilities to ensure our systems deliver the product you need at the right temperature.

Lomax spiral freezers are designed by expert engineers to your exact specifications, based on your product characteristics, capacities, and facility space and line layout, with handling capabilities of up to 8 tonnes per hour.

The Lomax spiral freezer system design, using horizontal airflow, allows immediate access to the product on the belt and constant low temperatures throughout the total spiral product path. Horizontal airflow also allows Lomax to choose a belt which best suits your product support requirements.

Extended running options are available with larger coil surface area, larger and variable fin pitching, larger coil face area. Sequential defrost available on request. Also available is the Lomax fan snow removal system.

APPLICATIONS

With truly global applications, our freezers can be found across the globe, operating in a wide range of food and beverage sectors. Lomax has a market leading reputation across a range of products including:

Ice Cream



Soup



Ready Meals



Snacks



Seafood



Meats



Poultry



Bakery





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A MAIN DRUM DRIVE

A choice between directly mounted gearbox to drum centre shaft or more traditional chain drive with good maintenance access.

B SPIRAL CONVEYOR BELT OPTIONS

A choice between stainless steel in many different options and plastic, all specifically designed to suit your different product applications.

C MATERIALS OF CONSTRUCTION

Stainless steel product zone or galvanized steel option.

D CIP SYSTEMS

Various CIP options to suit your production environment and requirements.

E EVAPORATOR

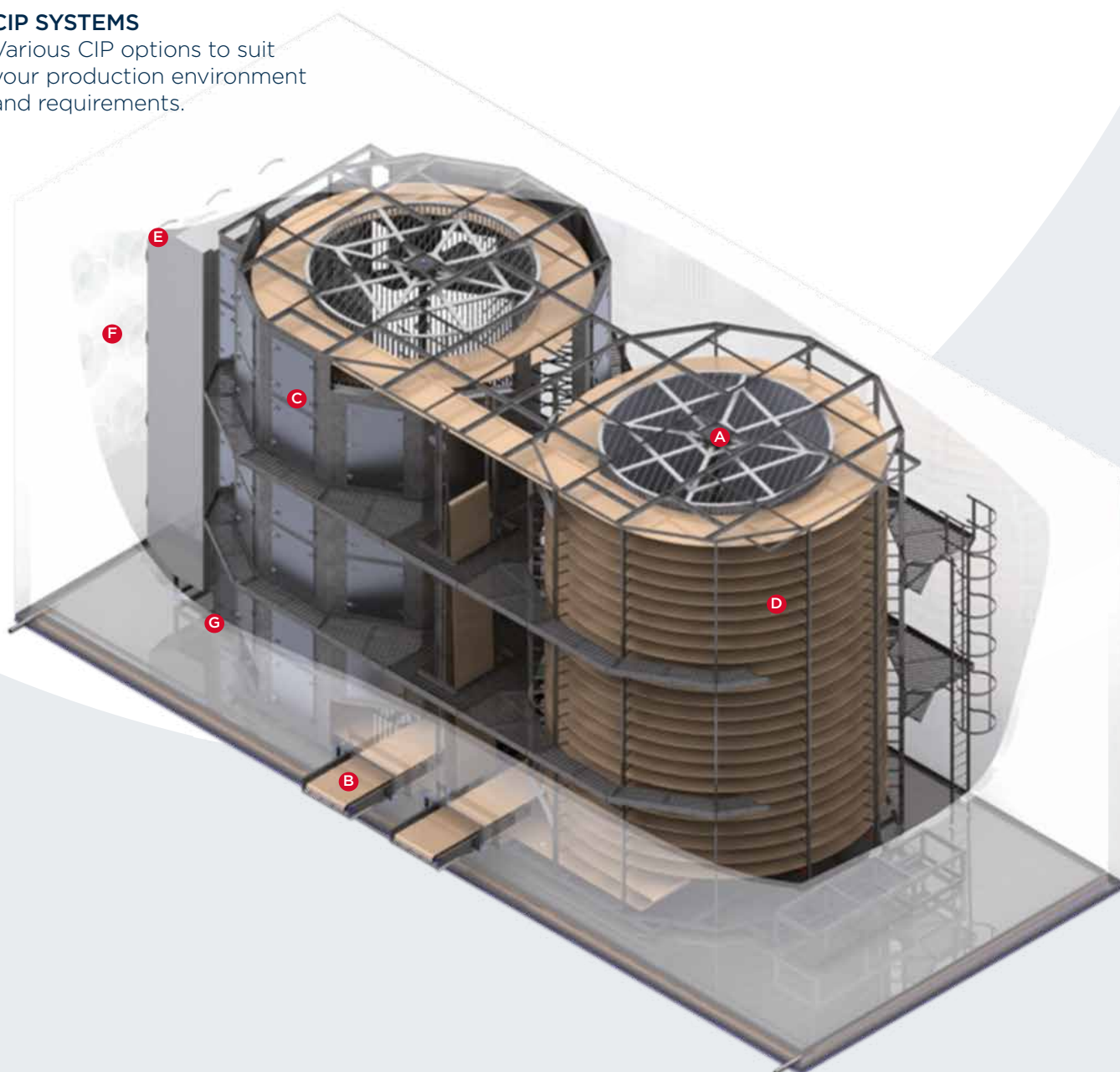
High efficiency evaporators with stainless steel tubes and aluminium fins or stainless tube and fins. Wide fin spacing to suit extended running options.

F OPTIONAL AIRFLOW

Horizontal airflow to give high efficiency heat transfer regardless of belt coverage. Optional vertical airflow to suit production requirements.

G DEFROST OPTIONS

Standard hot gas and water defrost for efficient cleaning of coil surface. Optional sequential defrost for extended running.

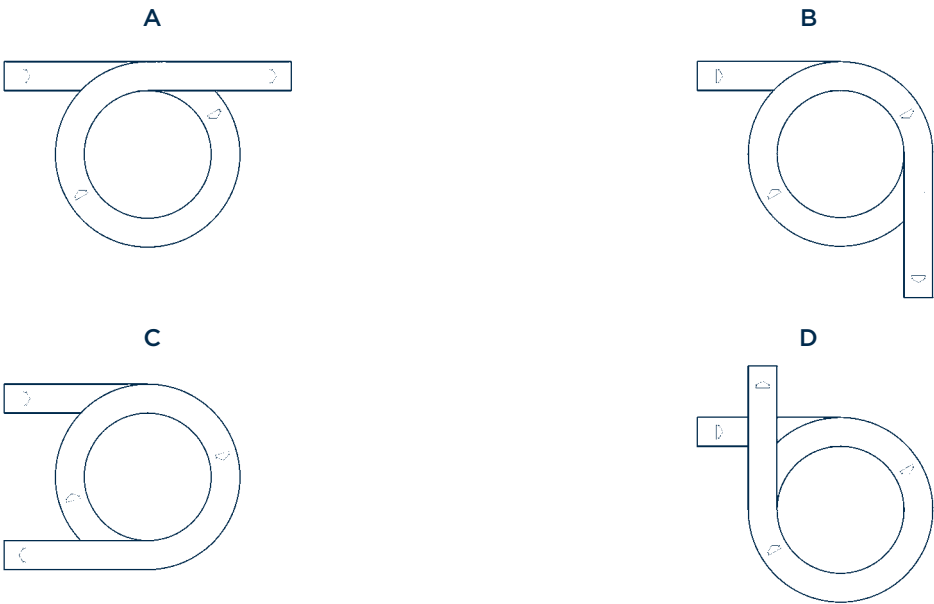


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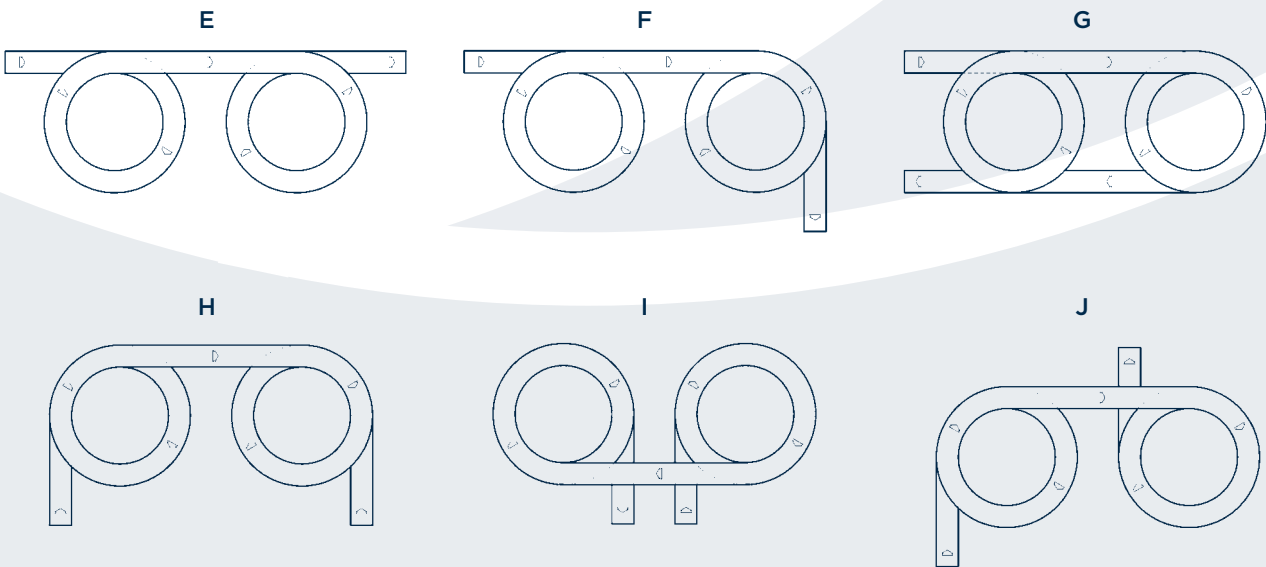
FLEXIBLE LAYOUTS

Flexible belt options, configured to turn clockwise or counter clockwise based on your specific needs.

SINGLE DRUM LAYOUTS



TWIN DRUM LAYOUTS



KEY BENEFITS:

- Small Footprint Solutions custom designed to suit your production layout.
- Customised configurations to suit many factory layouts.
- Package units available for small production requirements.
- Stainless steel tread plate floor fully welded to form sealed waterproof floor pan.
- PIR insulated panels, outdoor construction available with sloping roof.
- Full CIP systems available.
- Cost-effective galvanized or increased hygiene stainless steel options.
- Low maintenance and running costs.
- Centre drum drive or chain driven systems.
- Stainless steel or acetal (plastic) belted options.
- Controlled horizontal airflow.
- Inverter controlled axial flow fans for more efficient energy use.
- Extended running option evaporators.
- Evaporators utilising stainless steel tubes and aluminium fins for greater efficiency.
- Minimised weight loss.
- Ease of access. Complete belt path is fully accessible, mezzanine floors to access high levels.
- Belt selection not comprised by airflow.
- Energy efficient motors.
- Flexible Control Panel design, touchscreen design or mimic configuration.
- LED internal lighting.



