

CRYO-QUICK® Z

A revolution in food freezing

- *Up to 25% lower liquid nitrogen use compared to conventional spray tunnel*
- *Higher capacity or reduced floor-space*
- *Simpler control system*
- *Cryogenic quality freezing*





Air Products'
Cryo-Quick® Z

Changing the way you freeze

To reduce nitrogen consumption in cryogenic freezing, we re-invented the cryogenic freezer. At Air Products, our team of cryogenic experts are committed to working with customers to develop innovative, cost-effective solutions to their manufacturing problems. This is why we went back to the drawing board to design Cryo-Quick® Z, a revolutionary cryogenic freezer for the food processing industry.

How does it work?

Unlike conventional cryogenic freezers, Cryo-Quick® Z works on the principle of controlled impingement air flow. Indirect heat exchangers allow a simpler control system so you don't have to walk the precarious tightrope of optimisation. In addition, the system allows no gas expansion and lateral spillage so provides additional protection against asphyxiation and other safety hazards.

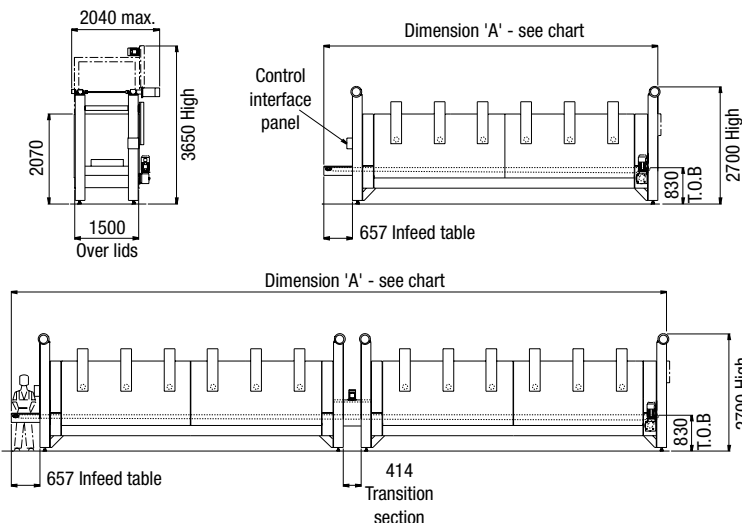
What are the benefits?

- Up to 25% lower liquid nitrogen use compared to spray tunnel
- Higher capacity or reduced floor-space
- High heat transfer coefficient - freezes top and bottom surfaces evenly
- Improved operating liquid nitrogen efficiency
- Simpler control system/mechanically simple
- Reduced operator mis-use/reduced maintenance
- Overall lower freezing costs compared to spray tunnel
- Indirect Heat Exchangers
- Inherently Safe - No asphyxiation hazard

Technical data

Model type	Overall Length 'A'	Effective Length	Max Width	Height when tunnel open	Height when tunnel closed	3 phase Electric supply kW total	Approx weight kg
	m	m	m	m	m		
Z680.3	4.7	3	2.05	3.65	2.70	8.1	4000
Z680.6	7.7	6	2.05	3.65	2.70	12.6	6500
Z680.9	10.7	9	2.05	3.65	2.70	17.1	9000
Z680.12	15.1	12	2.05	3.65	2.70	24.5	13200
Z680.15	18.1	15	2.05	3.65	2.70	29.0	15700
Z680.18	21.1	18	2.05	3.65	2.70	33.5	18200

Services: Minimum Pneumatic Air Supply 1.4barg/21psig
Exhaust Ducting: 100mm
Maximum Belt Loading Width: 680mm
Product Clearance: 125mm



All dimensions are in mm

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