

Arcticflow *Energia Mk8*

Single Belt

Type: Dantech FT/AFMK8/SB 350 - 1800 Series

FREEZING & TEMPERATURE DIVISION



- **Compact Unit**
- **Energy Saving**
- **Great Flexibility**
- **Fast Installation**

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The *Arcticflow® Energia MK8* Freezer is specially designed for a great variety of flat and fragile products, such as: Burgers, Fish Fillets, Nuggets, Poultry fillets, Mussels, Shrimps, Diced Meat, Vegetables, fruits and Green Peas etc.

The freezer is based on the energy saving high speed horizontal *Arcticflow®*, which together with the ultra low temperature ensure a quick and homogenous freezing within a minimum of time. Thus ensuring a fine quality product, with an equalized core temperature of min. -18° C.

We offer the freezer with 4 different belt types. With special selection of the belt type, depending on products to be processed.

The product is led past the high velocity airflow called *Arcticflow®*, which blows the air along the belt and over the products. The air is then returned continuously through the specially designed evaporators.

The *Arcticflow® Energia Mk8* Freezer special features:

- Lowest energy consumption in the market
- Very small foot print
- Complies with the strictest hygienic demands from all well known institutions.
- Standard prepared for easy connection to CIP System.
- Very long running hours in between defrosting requirements.

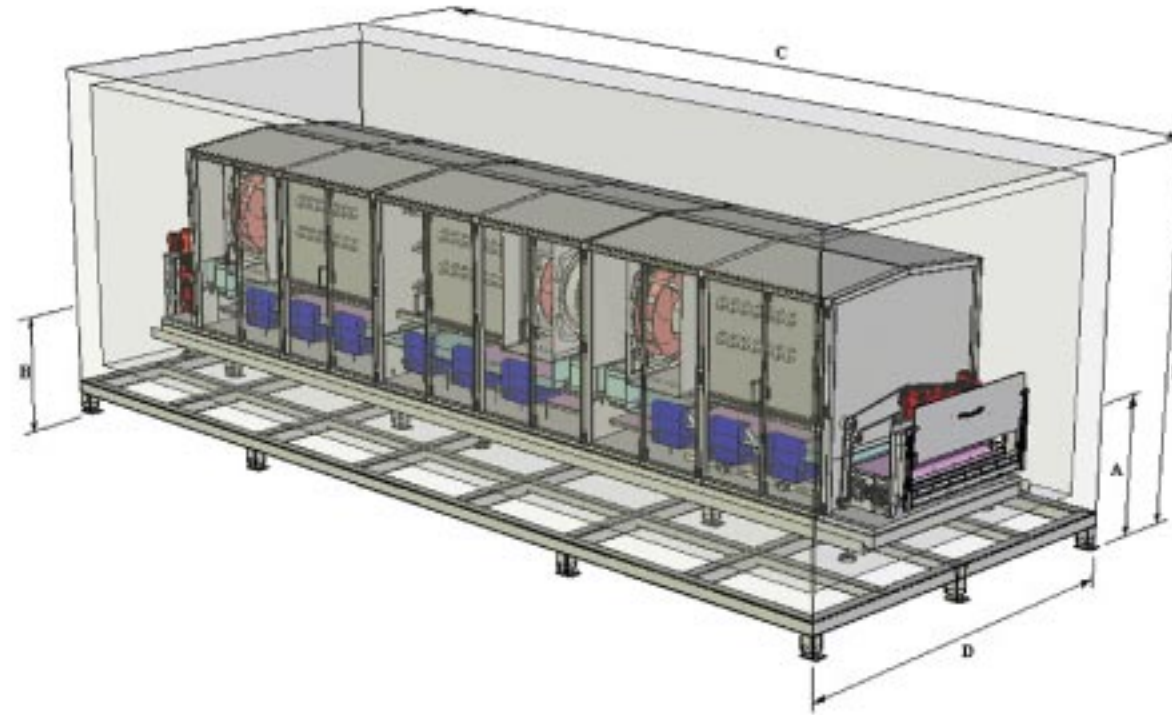
The freezer can be used as a stand-alone unit or as an integrated part of a fully automated processing line.



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ARCTICFLOW ENERGIA Mk8 Single BELT

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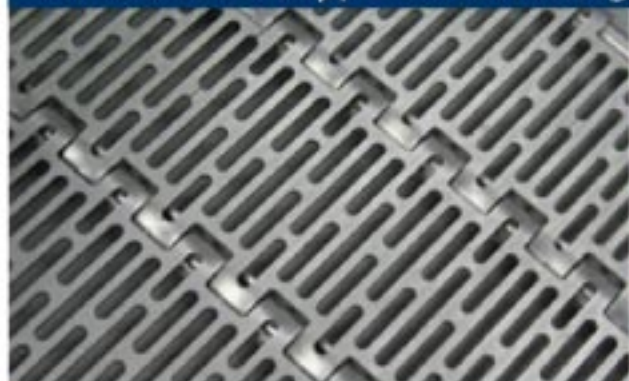
The Arcticflow Energia Mk8 Freezers are available in solutions ranging from 1 - 12 modules in both belt widths

Arcticflow Energia Mk8 Freezer Single Belt - Dual Impingement	FT/AFM8 /SB/1000/2/46	FT/AFM8 /SB/1000/4/92	FT/AFM8 /SB/1000/12/276	FT/AFM8 /SB/1500/2/70	FT/AFM8 /SB/1500/4/140	FT/AFM8 /SB/1500/12/420	FT/AFM8 /SB/1800/2/83	FT/AFM8 /SB/1800/4/166	FT/AFM8 /SB/1800/12/498	
TECHNICAL DATA :										
No. Of Modules	2	4	12	2	4	12	2	4	12	
Belt Width (Effective) (mm):	1000	1000	1000	1500	1500	1500	1800	1800	1800	
Belt Width (Overall) (mm):	1050	1050	1050	1550	1550	1550	1850	1850	1850	
Belt Length (mm):	5070	9390	26670	5070	9390	26670	5070	9390	26670	
No. of belt :	1	1	1	1	1	1	1	1	1	
Belt Speed (*) (m/min):	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	
Product Height (Normal) (NP) (mm):	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	0 ~ 125	
Product Height (High version) (HP) (mm):	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	125 ~ 225	
Product Infeed Height (A) (mm):	850	850	850	850	850	850	850	850	850	
Product Discharge Height (B) (mm):	595	595	595	595	595	595	595	595	595	
Max. Length (C) (mm):	5420	9740	27020	5420	9740	27020	5420	9740	27020	
Max. Width (D) (mm):	3000	3000	3000	3500	3500	3500	3800	3800	3800	
Max Height (E) (mm):	2700	2700	2700	2700	2700	2700	2700	2700	2700	
Coolant Supply to Evaporator (*) (KW):	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	
Max Evaporator Available (KW):	46	92	276	70	140	420	83	166	498	
Suction Temp at Evaporator (°C):	-40	-40	-40	-40	-40	-40	-40	-40	-40	
Air Temperature (°C):	-35	-35	-35	-35	-35	-35	-35	-35	-35	
Cooling Medium :	R404A/R717 /R22	R404A/R717 /R22	R404A/R717 /R22	R404A/R717 /R22	R404A/R717 /R22	R404A/R717 /R22	R404A/R717 /R22	R404A/R717 /R22	R404A/R717 /R22	
Cooling Pump Flow Rate :	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	4 to 5 times	
Total Power Consumption (Max.) (*) (KW):	3.52	7.04	21.12	6.4	12.8	38.4	9.6	19.2	57.6	
Installed Fan Power (KW):	4.4	8.8	26.4	8	16	48	12	24	72	
Power Supply (KW):	7	11	29	11	19	51	15	27	75	
Voltage (V):	3 x 400/50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	3 x 400 / 50Hz	
Design:					PLC/Touch Screen Control Panel : <ul style="list-style-type: none"> • Stepless control of belt speed • Digital read out of freezing time • Digital read out of air and evaporating temperature • Digital control of stepless adjustments of plates • Start/stop of belt • On/off switch for light in tunnel 					
Cabinet :	125mm fully welded Stainless Steel Panels									
Conveyor :	Stainless Steel Conveyor Frame & Belts									
Optional :	Pre fabricated PU Panel Stainless Steel Surface or White PVC									

All above mentioned details are subject to change without notice !

(*) These parameters will be different depending on the Geometrical and Thermal Characteristic of Product

Different Belt Types for an Energia Mk8 Tunnel Freezer



DTZ Belt



Stainless Steel Mesh Belt



DTZ Flat Modular Stainless Steel Belt



Plastic Modular Belt

Worldwide Service



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