

The FR series utilises radiative heating to evenly & efficiently provide heat during the drying cycle. The

Additionally they also include a continuous defrost system to











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High Capacity





Key Features

The FR series utilises radiative heating to evenly & efficiently provide heat during the drying cycle. The machines are loaded with pre-frozen product via a rapid load/unload trolley system to fully fit in your production process from cold store to dry store.

The FR-100 is ideal for large-scale product development and medium-scale production activities. The machine is designed to freeze dry 100kg* of product over a 16-24 hour period.

*dependant on product

Technical Data	FR-100
Ice Condenser Capacity	150kg / 24hr
Ice Condenser Temperature	-55°c
Defrost	Cold steam
Number of Trays	20
Tray Area	8 m²
Shelf Spacing	70mm
Chamber Temperature	Up to 130°c
Cooling systems	Water
Refigeration	Two-stage Frascold
Unit Dimensions (H x W x L)	2.1m x 2m 3m
Refirigerant	R404A
Vacuum	Pfeiffer Duo 65
Chamber Dimensions	1100mm id x 2000mm
Power Supply	380-415v 63a 3∼
Control System	Automatic Control
Loading System	Cassette Trolley











FROZEN IN TIME
Manufacturers of freeze driers and vacuum cold traps

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Key Features

The FR series utilises radiative heating to evenly & efficiently provide heat during the drying cycle. The machines are loaded with pre-frozen product via a rapid load/unload trolley system to fully fit in your production process from cold store to dry store.

The unit includes a continuous ice condenser defrost system that prevents the need to defrost the unit between batches.

The FR-250 is ideal for large-scale product medium-scale development and activities. The machine is designed to freeze dry 250kg* of product over a 16-24 hour period.

*dependant on product







Technical Data	FR-250
Ice Condenser Capacity	Continuous Defrost
Ice Condenser Temperature	-55°c
Defrost	Cold steam
Number of Trays	96
Tray Area	25m²
Shelf Spacing	60mm
Chamber Temperature	Up to 130°c
Cooling systems	Water
Refigeration	2 Screw Compressors
Unit Dimensions (H x W x L)	2.2m x 2.2m 5.5m
Refirigerant	R404A
Vacuum	Hena 301S & Okta 300
Chamber Dimensions	1500mm id x 2000mm
Power Supply	380-415v 125a 3∼
Control System	Automatic Control
Loading System	Cassette Trolley





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Fast Drying Capability



Continuous Defrost





Key Features

The FR series utilises radiative heating to evenly & efficiently provide heat during the drying cycle. The machines are loaded with pre-frozen product via a rapid load/unload trolley system to fully fit in your production process from cold store to dry store.

The unit includes a continuous ice condenser defrost system that prevents the need to defrost the unit between batches.

The FR-500 is ideal for large-scale product medium-scale production development and activities. The machine is designed to freeze dry 500kg* of product over a 16-24 hour period.

*dependant on product







Technical Data	FR-500
Ice Condenser Capacity	Continuous Defrost
Ice Condenser Temperature	-55°c
Defrost	Cold steam
Number of Trays	180
Tray Area	50m²
Shelf Spacing	60mm
Chamber Temperature	Up to 130°c
Cooling systems	Water
Refigeration	2 Screw Compressors
Refirigerant	R404A
Vacuum	Hena 401S & Okta 600
Chamber Dimensions	2500mm id x 3000mm
Power Supply	380-415v 3~
Control System	Automatic Control
Loading System	Cassette Trolley







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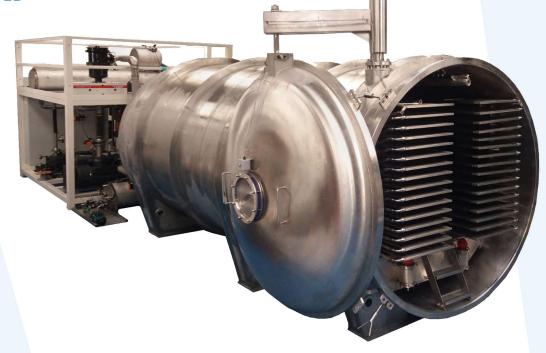
Fast Drying Capability



Continuous Defrost



Radiant Heating System



Key Features

The FR series utilises radiative heating to evenly & efficiently provide heat during the drying cycle. The machines are loaded with pre-frozen product via a rapid load/unload trolley system to fully fit in your production process from cold store to dry store.

The unit includes a continuous ice condenser defrost system that prevents the need to defrost the unit between batches.

The FR-1000 is ideal for large-scale product development and medium-scale production activities. The machine is designed to freeze dry 1000kg* of product over a 16-24 hour period.

*dependant on product







Technical Data	FR-1000
Ice Condenser Capacity	Continuous Defrost
Ice Condenser Temperature	-55°c
Defrost	Cold steam
Number of Trays	300
Tray Area	104m²
Shelf Spacing	75mm
Chamber Temperature	Up to 130°c
Cooling systems	Water
Refigeration	2 Screw Compressors
Unit Dimensions (H x W x L)	2.9m x 2.7m 8m
Refirigerant	Ammonia or Freon
Vacuum	Hena 301S & Okta 300
Chamber Dimensions	1500mm id x 2000mm
Power Supply	380-415v 3~
Control System	Automatic Control
Loading System	Cassette Trolley





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