

# B SCIENCE



**-86° C FREEZER**  
**B-ULT LINE**

DO NOT ALLOW YOURSELF  
TO COMPROMISE. QUALITY  
GUARANTEES THE BEST  
EXPERIENCE.



1 Eco Friendly



2 Documentation



3 Different sizes



# Protect the environment

We all know the climate & environment situation today are very challenged and in the end it is our responsibility to protect and help improve it. One of the core concepts that we work & live by in B Science is “What we change today - will be our legacy tomorrow”

**Our new -86° C Freezer B-ULT Line is one of few manufactures that has GWP & ODP value below 10.**

The next time you are going to purchase -86° ULT freezers, go for units with GWP (Global Warming Potential) & ODP (Ozone depletion potential) with value below 10. There are several manufactures in the world, who has changed their production and supplying -86° ULT freezers with low GWP & ODP values.



A FREEZER LINE  
WITH ONE OF  
THE LOWEST  
GWP & ODP IN  
THE MARKET

## Global Responsibility

We are always looking for new ways to reduce the environmental impact of our business, being manufactures we have the power and responsibility to do so. In B Science this is an integrated way of thinking in every decision, idea and development that are made by anyone that is working in B Science.

**What we change today - will be our legacy tomorrow**





# Documentation

## Provided Test Documents

PQ	✓	Validation guidance	✓
IQ	✓	Temperature mapping	✓
OQ	✓	Pull down	✓
PQT	✓	Open door test	✓
SOP	✓	Hold over test	✓

We provide all of our B-ULT LINE with fully documented testing results, without any additional cost. It enclouds (PQ)(performance qualification test), SOP, validation guidance, IQ/OQ/PQT (product qualification test). We provide you with these documents so that you can meet the demands and requirement from the pharma industry worldwide.

All the tests is as standard provided for each unit in accordance with the serial number of the product.

# B-ULT LINE MEETS THE PHARMA INDUSTRIES REQUIREMENT

## SPECIFICATION

# Test documents

Additionally to the temperature mapping, pull down test, recovery test, & hold over time, we also provide you with information of testing each unit for all alarms and how these test are made. This way you have fully documented information about the performance of the unit you receive. In top of this, you also get the full information and documentation (IQ/OQ/PQT) how to proceed this on site as there is end user that require these tests and well documented information. This is extremely important to have the right information and documentation when validation is a must. If there should not be any factory testing within your request for validation, you will still get these test and information.

Hereby you actually gets – as standard - a well tested unit delivered.



**Temperature mapping**  
The temperature map shows you exactly how the stability in the chamber is.



**Pull down**  
The pull down test enables you to see how long time the units takes to reach the desired temperature.



**Open door**  
The unit is also provided with an actual test of the recovery time by door opening.



**Power cut**  
Each unit is also provided with test of the hold over time by power cut.




**THE ONLY -86°C  
FREEZER LINE  
IN THE WORLD  
PROVIDED WITH  
FULLY DOCUMENTED  
TESTING RESULTS  
WITHOUT ANY  
ADDITIONAL COST**




**B-ULT100**

107 L






	Temperature range	-86°C / -40°C
	Power	230V/50Hz
	Ambient max	+25°C


Optional		
	Racks	8 pcs
	50mm Boxes	72 pcs

**B-ULT400**

406 L






	Temperature range	-86°C / -40°C
	Power	230V/50Hz
	Ambient max	+25°C

Optional		
	Racks	12 pcs
	50mm Boxes	264 pcs

**B-ULT550**

527 L






	Temperature range	-86°C / -40°C
	Power	230V/50Hz
	Ambient max	+25°C


Optional		
	Racks	16 pcs
	50mm Boxes	352 pcs

**B-ULT650**

648 L






	Temperature range	-86°C / -40°C
	Power	230V/50Hz
	Ambient max	+25°C

Optional		
	Racks	20 pcs
	50mm Boxes	440 pcs

**B-ULT850**

890 L



	Temperature range	-86°C / -40°C
	Power	230V/50Hz
	Ambient max	+25°C

Optional		
	Racks	28 pcs
	50mm Boxes	616 pcs

**ENVIRONMENTAL EFFECTS**



GWP	3 (R290) / 4 (R1150)
ODP	0 (R290) / 0 (R11+50)





## B-ULT Models

**Our range of ULT Freezer -86° C is developed to ensure you a trouble free usage of ultra-low temperature storage through direct cooling and safe cascade system.**

By using this technology we are able to ensure your storage a stabile temperature throughout the hole freezer and at the same time keeping the pull down and recovery time to one of the lowest in the marked. The B-ULT range freezers reach the set point of -80° C from ambient +25° C in less than 3 hours.

With the superb performance of our cooling system having only 3° C peak variation from the set point at -80° C, which is known to probably be the best performance for ULT freezers worldwide. All this we do with a very low energy consumption.

• • • We deliver more than just storage • • •



# QUALITY WITHOUT COMPROMISE

# Key features



- ✓ Integrated datalogger
- ✓ Memory for over 15 years of data
- ✓ Interface Potential free remote contact & RS485
- ✓ Date & Time
- ✓ Password protected
- ✓ Temperature graph
- ✓ Ambient temperature
- ✓ Integrated test mode
- ✓ GSM module integrated (Optional)



- ✓ Approx. 48 hours battery Backup for alarms & logging



- ✓ Door lock
- ✓ Open door alarm
- ✓ Magnetic silicone gasket



- ✓ IQ, OQ, PQT (Production Qualification Test)
- ✓ PQ test (Performance Qualification test)



- ✓ Upload & Download through USB
- ✓ Memory for over 15 years of data

## GUARDIANS OF YOUR SAMPLES

Today we apply the most sophisticated refrigeration compressor design, state-of-the-art electronics and environmentally friendly ultra-low freezers marketed to life science, pharmaceutical, biotechnology, healthcare and industrial laboratory markets



# Alarms

- ✓ Compressor Alarm
- ✓ High / Low adjustable temperature alarms
- ✓ Power Failure alarm
- ✓ Open door alarm
- ✓ Track of alarms to be noted automatically
- ✓ Probe Failure alarm
- ✓ Contact for remote alarm
- ✓ Battery failure

**QUALITY  
GUARANTEES  
THE BEST  
PERFORMANCE**

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62% 

Today Europe and the MENA market is our largest market. We distribute 62% of our products to partners across Europe & The middle eastern market.

5% 

In Latin America we have few representation with a smaller impact in the market.

2% 

In North America we have a small growth in the market.

19% 

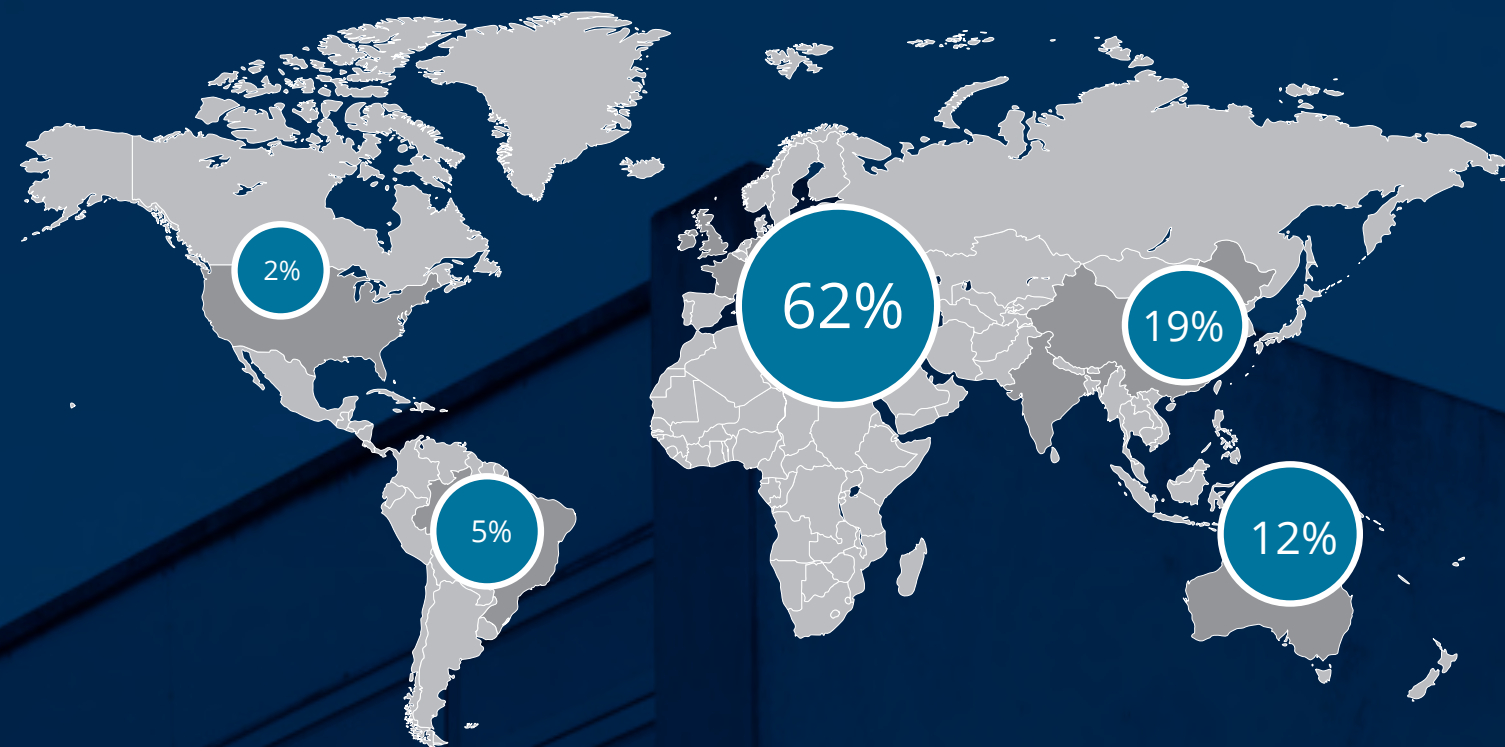
In countries such as India, China, Vietnam, Thailand etc., we distributed 19 % of our products. We are delighted that our partners value and appreciate the quality of B Science.

12% 

In a few countries like Malaysia, Indonesia, as well as Singapore, B Science is represented very well with our local partners that are continuously raising our market share.

## Our partners

We value our partners very high and we treat our relations like a marriage. If we nurture and care for it, it will last us a lifetime.





# Our Products

The complete line of B Science products includes laboratory equipment with the newest and most advanced technology, controls, construction and performance attributes in the industry. **All our products** are provided with full test documentation.

**Today we apply the most sophisticated refrigeration compressor design and state-of-the-art electronics** to ultra-low freezers and refrigerators and state-of-the-art ergonomic design and environmentally friendly biological safety cabinet marketed to life science, pharmaceutical, biotechnology, healthcare and industrial laboratory markets. **We provide all our PREMIUM LINE products with fully documented testing**

**results,** it encloses (PQ)(performance qualification test), SOP, validation guidance, IQ/OQ/PQT (product qualification test). We provide you with these documents so that you can meet the demands and requirement from the pharma industry worldwide. All the tests requirements is as standard provided for each unit in accordance with the serial number of the product. All of this is without any additional cost!

Your Company	Basic Line	Premium Line	B-SAFE Line
Temperature range / Classification Type	+10° C to -25° C	+10° C to -86° C	Class II, Type A2 & B2
Documentation	Pull down test	IQ, OQ, PQT, SOP, Validation, PQ	Test in accordance to EN 12469



## B-SAFE Line

The Line contain Biological Safety Cabinet in Class II Type A2.



## Premium Line

Premium Line covers Temperature range from +10° C to -86° C.



## Basic Line

Basic Line covers Temperature ranges from +10° C to -25° C.



## Documentation

All products are provided with fully documented testing.



## Global Responsibility

We embrace our global responsibility and it is an incorporated way of thinking for every employee in B Science.

\*\*\* What we change today - will be our legacy tomorrow \*\*\*



## What motivates us

We are motivated by the change and challenges that happen all around us and it helps us to create new ideas & products.



## GMP

GMP is the essence of our company and our assurance that we always deliver high quality products with the right documentation.

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# Head Office

Bavnevej 10 - 6580 Vamdrup - Denmark

Phone +45 287 287 62

Email: [info@bscienceglobal.com](mailto:info@bscienceglobal.com), [www.bscienceglobal.com](http://www.bscienceglobal.com)



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