

STATEBOURNE

cryogenics

Bio Series

Numbered Index Canister Locations

5 Year Vacuum Warranty

MDD 93/42 EC Compliant

High Thermal Efficiency

Extended Hold Times

Super Insulation

High Capacity

Roller Base

Lockable

Cryovials

Heavy Duty

Goblets

Straws



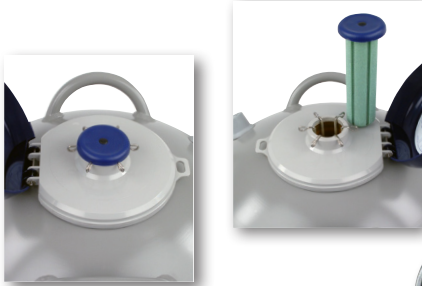
*Cryogenic innovation & technology
you can trust...*

Bio Series

The Bio Series of refrigerators provide two lines for storage of biological material, with high capacity or extended hold time variants

Extended Hold-Time Models

With narrower neck openings for outstanding thermal efficiency, the extended hold time models offer long term storage possibilities with minimal LN2 consumption



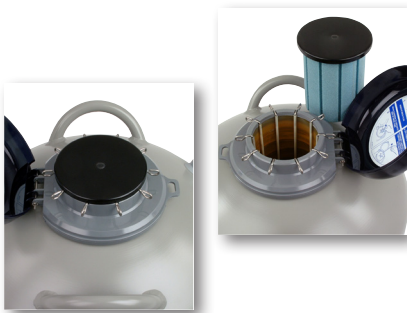
All Extended hold time units have a narrower neck opening for outstanding thermal efficiency



Bio Series Extended hold Time

High Capacity Models.

These units allow the storage of large quantities of biological material while still offering excellent holding times



All high capacity units have wider neck openings for easy access.



Bio Series High Capacity

Product Features

- 11 models, from 2 litres to 36 litres capacity
- Strong lightweight aluminium construction
- High thermal efficiency ultra-low evaporative losses
- Numbered index location points for canisters
- Heavy-duty lockable enclosures offer excellent security
- Straw storage
- 1.2, 2.0 or 5.0ml cryovials held on canes
- Roller bases and level alarms
- 5 YEAR VACUUM WARRANTY



Bio Series



All Bio Series containers are designed and manufactured in our purpose-built ISO 9001 accredited facility using the very latest CAD technology. Advanced super-insulation and ultra-high vacuum techniques allow incredibly long holding times

Canes and sleeves are available as well as a range of goblets and lifters for straw storage



Cardboard sleeves
Optional

Alluminium Canes
Optional



Goblets
Optional



Lifters
Optional

Roller bases and long/short canister options available



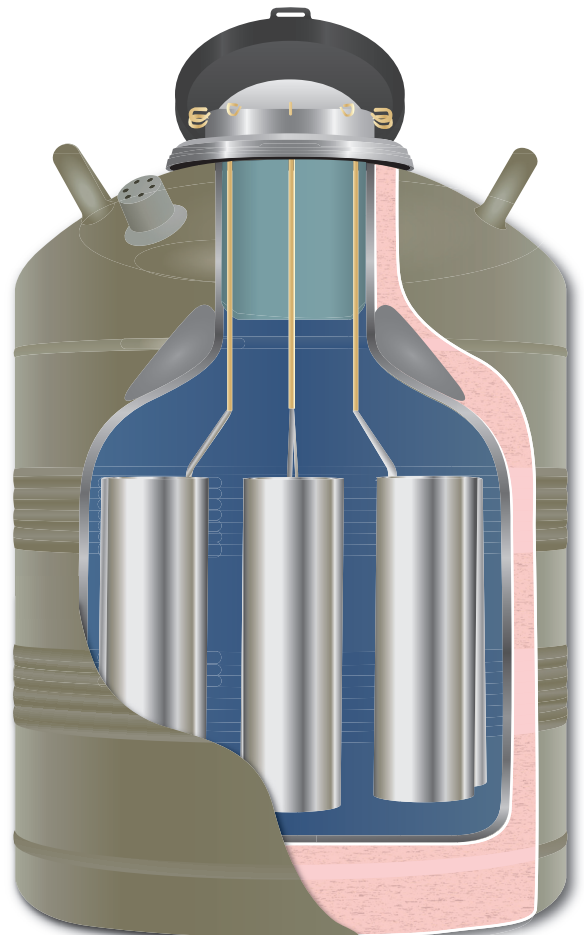
The Battery CryoGuard offers an LN2 level alarm facility in areas where mains electricity is unavailable

Canister-equipped Refrigerators

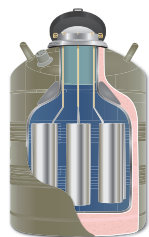
Included with every Bio Series container are internal storage canisters suitable for the storage of biological material in cryovials on canes or straws in goblets



Internal storage canisters



Canister-Equipped Refrigerators



Technical Data

MODEL	Extended Hold Time (Narrow Neck)						High Capacity (Wide Neck)				
	Bio 2	Bio 3	Bio 8	Bio 10	Bio 20	Bio 35	Bio 12	Bio 21	Bio 22	Bio 34	Bio 36
PART NUMBER	9902015	9902030	9902050	9902060	9902080	9902120	9902070	9902095	9902096	9902110	9902130
LN2 Capacity (litres)	2	3	8	10	20	35	12	21	21	34	35
Evaporation Rate(litres/day)	0.08	0.11	0.10	0.10	0.10	0.10	0.19	0.19	0.28	0.18	0.30
Static Holding Time (days)	25	27	80	100	200	350	63	110	75	189	117
*Field Working Time (days)	16	17	50	63	125	217	39	69	47	118	75
Weight Empty (kg)	3	4.3	8.6	7.9	11.1	18.6	10.8	15.6	15.7	17.8	19.1
Weight Full (kg)	4.6	6.7	15.1	16	27.3	46.9	20.4	32.6	32.7	45.3	47.4
Neck Diameter (mm)	32	51	51	51	51	51	70	89	120	89	120
Overall Height (mm)	390	464	475	640	640	730	470	579	537	710	710
Overall Diameter (mm)	185	216	407	305	407	480	408	480	480	480	480
Number of Canisters	3	6	6	6	6	6	9	6	10	6	10
Canister Dimensions D(mm)	25	38	38	38**	38**	38**	46	68	73	69	73
Canister Dimensions H(mm)	120	120	120	275	275	275	120	120	120	275	275
2ml Vial Capacity	NA	NA	NA	180	180	180	NA	NA	NA	684	1020
Straw Capacity (0.25cc)	360	1200	1200	2400	2400	2400	4680	4920	8200	9840	16400
Straw Capacity (0.5cc)	120	500	500	1000	1000	1000	2200	2300	3800	4200	7800
Roller Base Part No.	NA	NA	9902082	NA	9902082	9902112	9902082	9902112	9902112	9902112	9902112
Battery Cryogaurd Part No.	8602622	8602622	8602622	8602622	8602622	8602622	8602622	8602622	8602622	8602622	8602622
CryoGaurd Inc Mains adapter Part Numbers.	8602622 8602623	8602622 8602623	8602622 8602623	8602622 8602623	8602622 8602623	8602622 8602623	8602622 8602623	8602622 8602623	8602622 8602623	8602622 8602623	8602622 8602623
Temperature Logger Part No.	9701321	9701321	9701321	9701321	9701321	9701321	9701321	9701321	9701321	9701321	9701321

*Field working time is a calculated value, this may vary according to container usage.

**38mm x 120mm canisters are also available for this model.

In the interest of our continued product improvement, Statebourne reserve the right to amend the specification of our products.

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