

Biosystem Vault 40 Series

The Statebourne Biosystem Vault Series offer incredibly low operating costs with minimal LN2 consumption and class-leading storage temperatures
With state-of-the-art thermal efficiency, extended operation without LN2 pipeline supply is assured



Hybrid Technology

No loss of payload capacity

Ultra-low LN2 consumption: Up to one year between top-up refills

Super-Cold: Storage temperatures at the top rack of below -180°C

Stand-alone design: Vault units are designed to work independently of permanent LN2 supply. Continuous attachment to pipelines is no longer required as periodic top-ups

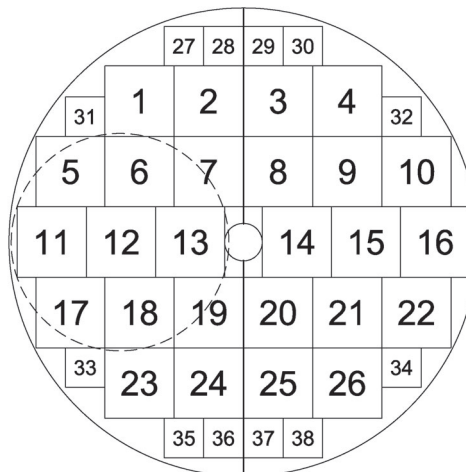
No loss of payload: The unique design of the Vaults mean that the whole payload space is available for sample storage

Redundancy: 2 weeks temperature retention without power

Live Communications: Dedicated screen shows temperature and level, remote monitoring available over ethernet/Wi-Fi. Universal volt-free contact relay also fitted

Technical data

Racking Capacities	
1.2ml / 2ml vial capacity	37500 in 13 layers (14 layer version available with 40600 capacity)
791 O5/U Medsep 25ml	2786 in 7 bag frames
4R9951	1205 in 5 bag frames
4R9953	768 in 4 bag frames
4R9955	576 in 4 bag frames
DF200	732 in 6 bag frames
DF700	264 in 4 bag frames
10 x 10 Towers	26
5 x 5 Towers	12
No of levels per rack	13 (14 optional)
Refrigerator Data	
LN2 capacity	300 litres
Neck Diameter	451mm
Useable internal height	735mm
Useable internal diameter	960mm
External height	1894mm (2150mm lid open)
External diameter	1125mm



Racking Map 100 cell and 25 cell

