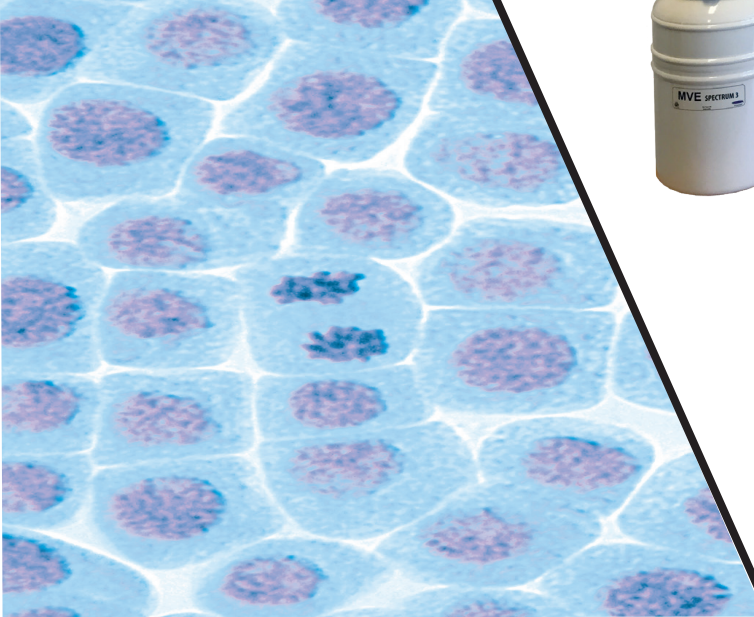


# MVE Spectrum Series

The MVE Spectrum Series and Spectrum 20 Signature are designed for the user who has small capacity needs, but requires long-term storage and low liquid nitrogen consumption in a convenient lightweight package. Manufactured to a world-class level of excellence and backed by an industry leading 5-year vacuum warranty, these durable, lightweight units can be relied on to perform in the most demanding of environments.

## Features Include:

- Designed for small capacity storage
- Low liquid nitrogen consumption
- Convenient lightweight package
- BEND DON'T BREAK™ (Spectrum 20 Signature)
- SEMEN SAFE™ (Spectrum 20 Signature)



## BEND DON'T BREAK™

After two years in development and testing, the new Spectrum 20 Signature includes a new top head shape which deforms when the tank is subjected to excessive G-force loads. This increases the durability of the Spectrum 20 Signature and will make the tank more robust to MINIMIZE damage from MISHANDLING during transport. Although the bend concept allows for visible outside evidence that the tank has been tipped or dropped from excessive heights during transport, it is more resilient in order to reduce the chance of vacuum leakage and product loss. We make no guarantee samples will not break and warranty is voided if there is evidence of exterior damage.

## SEMEN SAFE™

After extensive testing, the new Spectrum 20 Signature includes a composite neck that is 20% STRONGER than previous designs. This feature makes the neck less susceptible to damage from excessive G-force loads resulting from mishandling during transport, increasing the durability of the Spectrum 20 Signature. Combining with BEND DON'T BREAK™, the risk of semen loss and disruption of business is greatly minimized. While we've maintained the form, fit, and function of the MVE-20 Millennium design, SEMEN SAFE™ further increases the durability of MVE products.

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844-MVE-CRYO



	Spectrum 3	Spectrum 8	Spectrum 12	Spectrum 20 Signature	Spectrum 35
<b>Maximum Storage Capacity</b>					
Number of Canisters	6	6	6	6	6
Number of 1/4 cc straws 28/1ml cane	-	-	1512	1512	1512
Number of 1/4 cc 1 Level Bulk	1980	1980	1932	1932	1932
Number of 1/4 cc 2 Level Bulk	-	-	3864	3864	3864
Number of 1, .2 & 2.0 ml vials 5/cane	-	-	210	210	210
<b>Performance</b>					
LN2 Capacity w/o Inventory L est.	3,6	8,4	11,0	20,5	36,5
Static Evaporation Rate L/day*	0,13	0,15	0,15	0,095	0,12
Static Holding Time days	28	56	73	215	365
Working Duration days**	17	35	46	134	228
<b>Unit Dimensions</b>					
Neck Opening mm	55,4	55,4	55,4	55,4	55,4
Overall Height mm	406	470	549	660	657
Outer Diameter mm	222	260	260	368	464
Canister Height mm	127	127	279	279/127	279
Canister Diameter OD/ID mm	42,9/41,9	42,9/41,9	42,9/41,9	42,9/41,9	42,9/41,9
Weight Empty kg	3,6	5,3	7,7	10,0	15,9
Weight Full kg	6,5	12,1	16,6	26,5	44

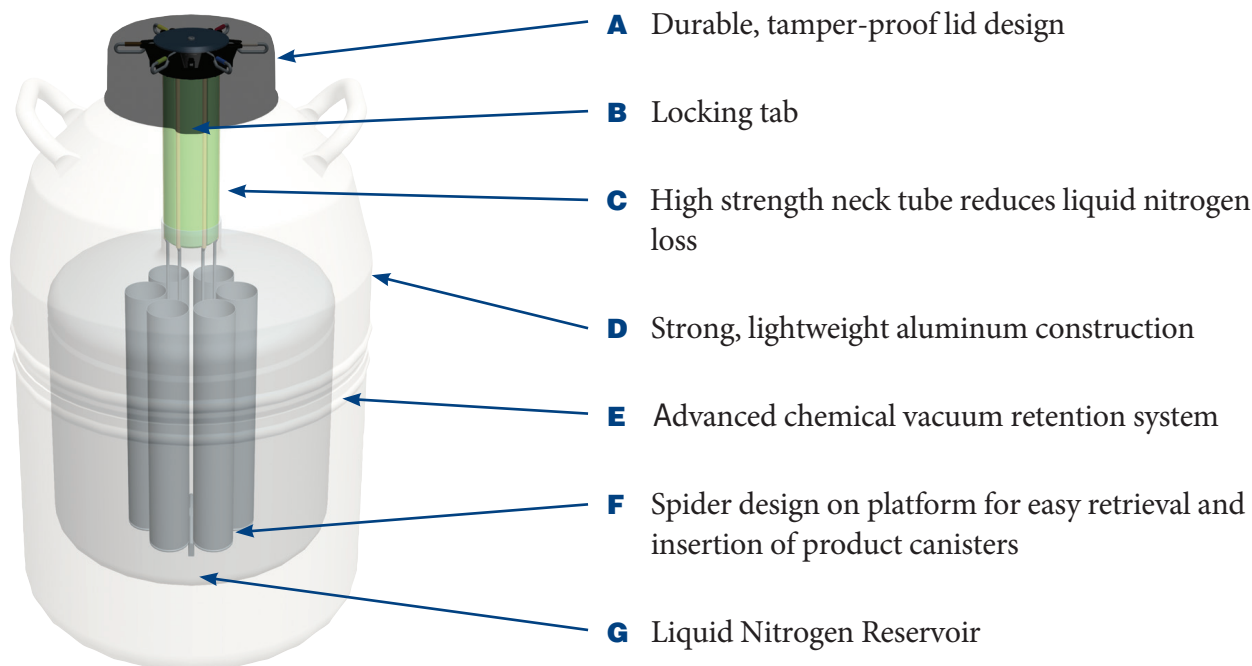
\* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of the container use, atmospheric conditions, and manufacturing tolerances.

\*\* Working Duration is an arbitrary reference, to estimate container performance under normal operating conditions in liquid storage. Actual working time may vary due to current atmospheric conditions, container history, manufacturing tolerances and any individual patterns of use.

#### **FIVE Year Standard Warranty**

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU

### Tank Features



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