



MVE Spectrum Series

Small capacity, lightweight dewar

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.

BEND DON'T BREAK™

New top head shape which deforms when the tank is subjected to excessive G-force loads increases durability and minimizes damage from mishandling during transport.

SEMEN SAFE™

Includes a composite neck that is 20% STRONGER than previous designs. This feature makes the neck less susceptible to damage from excessive Gforce 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.

Key Features

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



MVE Spectrum Series

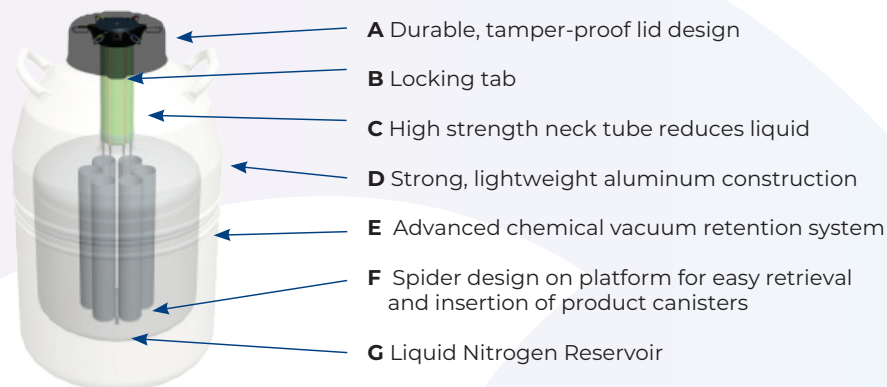
	Spectrum 3	Spectrum 12	Spectrum 20 Signature	Spectrum 35
Maximum Storage Capacity				
○ Number of Canisters	6	6	6	6
○ Number of 1/4 cc straws 28/1ml cane	-	1512	1512	1512
○ Number of 1/4 cc 1 Level Bulk	1980	1932	1932	1932
○ Number of 1/4 cc 2 Level Bulk	-	3864	3864	3864
○ Number of 1, .2 & 2.0 ml vials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

FIVE Year Standard Warranty

* 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.

Tank Features



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