



MVE ET-1.8

Compact. Lightweight. Purpose-Built for Field Inseminators

The MVE ET-1.8 is the newest addition to the MVE ET-Series—a technician-grade liquid nitrogen (LN₂) storage and transport dewar engineered specifically for mobility in demanding field environments. Designed with input from leading distributors across Asia, the ET-1.8 delivers reliable cryogenic performance in a compact, easy-to-carry form factor optimized for inseminators who must travel long distances.

With a 195mm outer diameter, rugged construction, and proven MVE performance, the ET-1.8 meets the strict portability and durability requirements needed in high-volume semen distribution programs. Its lightweight design, protective GP-style orange lid, and shoulder strap make the ET-1.8 the ideal choice for technicians who require dependable LN₂ holding time combined with true field mobility.

The MVE ET-1.8 was developed to meet the exact requirements of AI technicians, especially in the Asian AI Market and other regions where inseminators rely heavily on compact mobility solutions.



Features & Benefits

- **Compact 195 mm outer diameter:** Purpose-built for field inseminators who require a smaller form factor.
- **Lightweight, durable construction:** Engineered for dependable performance in rugged field conditions, minimizing fatigue during long-distance travel.
- **Optimized for semen field service applications:** Ideal for AI technicians working in remote regions requiring daily movement between farms.
- **High-visibility GP-style orange lid:** Improved durability and visibility; consistent with high-standard lids used across MVE's GP product line.
- **Reinforced shoulder strap:** Comfortable and secure for long transport routes.
- **Proven cryogenic performance:** Manufactured with the same high-quality materials and insulation integrity found across the MVE ET-Series.
- **Cost-effective solution for tender programs:** Designed to support high-volume national artificial insemination programs where reliability and affordability are essential.

MVE ET-1.8

Typical Applications

- Dairy & beef breeding programs
- Remote semen distribution centers
- National genetic improvement programs
- NGOs & government-funded AI initiatives
- Portable LN₂ supply for short-duration field service

Why Choose the MVE ET-1.8?

- Trusted MVE quality backed by more than 60 years of cryogenic excellence
- Ideal balance of performance, portability, and price
- Supports semen delivery routes where terrain and transport options are limited
- Engineered for distributors seeking competitive differentiation in technician-grade tanks

Technical Specifications

The ET-1.8 is engineered to deliver dependable performance while maintaining the smallest possible footprint for field mobility.

| Specifications | MVE ET-1.8 |
|--|------------|
| ○ Capacity (L) | 1.8 |
| ○ Empty Weight (kg) not including locking cover | 3.2 |
| ○ Empty Weight (kg) including locking cover | 3.3 |
| ○ Neck Diameter (mm) | 35 |
| ○ Outer Diameter (mm) | 195 |
| ○ Height (mm) | 400 |
| ○ Static Evaporation Loss Mass (L/d) | 0.07 |
| ○ Static Holding Time (d) | 26 |
| ○ Canister Outer Diameter (mm) | 25 |
| ○ Canister Height (mm) | 120 |
| ○ Number of Canisters (n) | 3 |
| ○ Straw Holding Capacity (single level) (0.5ml) | 150 |
| ○ Straw Holding Capacity (single level) (0.25ml) | 354 |

Notes: Final technical values (height, neck opening, working time, weight) can be updated based on engineering drawings. Current listing reflects ET-Series standard proportions.

Designed for the Asian AI Market

The MVE ET-1.8 was developed to meet the exact requirements of AI technicians, especially in the Asian AI Market and other regions where inseminators rely heavily on compact mobility solutions.

This model ensures improved compatibility across tender programs requiring ≤195 mm diameter tanks.



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Intended Use & Indication for Use for Cryogenic Storage and/or Transport

ANIMAL HEALTH INTENDED USE STATEMENT

STORAGE AND TRANSPORT

MVE dewars, freezers and vapor shippers are intended for the indication of preserving animal biological products, samples, and/or specimen (e.g., blood, blood products, cells, tissues, vaccines, etc.) at cryogenic temperatures during storage and/or transportation.

WARNINGS, PRECAUTIONS, AND CONTRAINDICATIONS

These products are not intended for human use and/or use on biological products deriving from humans and are not intended for use as a medical device.