

TempTrust Refrigerants & Insulating Components

Qualified PCMS: Hard gel bottles soft gel packs, flexible and blankets

Refrigerants & Insulating Components

About TempTrust™ Refrigerants

Temperature consistency when a PCM oscillates between solid and liquid phases is where a truly good refrigerant comes in handy. It matches the temperature of the product while it is going through its phase change, making it ideal for temperature sensitive applications.

TempTrust refrigerants ensure quality and safety by conducting regular social compliance and quality audits using both experienced and knowledgeable in-house regulatory staff for quality assurance and control.

All refrigerants are tested, validated and qualified to control variations in temperatures that occur in transit or storage. They are produced at a Class 1 medical device facility registered with the FDA in the United States and Health Canada, along with CE and ISO 13485 certification.

What makes TempTrust refrigerants different?

What makes us different is our unique formula of component material combined with best-in-class packaging material and vacuum panels, allowing the company to create qualified packaging systems that are both durable, lightweight and compliant.

Solutions designed around the policy: Reduce, Reuse, and Recycle.



TempTrust refrigerants are designed to be refurbished and reused up to 4,000 times. This not only benefits the environment, but also your bottom line.

Although the composition can vary based on the product, they typically contain water, a polymer, and a preservative that are not classified as dangerous according to U.S. and Canadian regulations. Material Safety Documents are available with all products.

The reuse or refurbishment of packaging components and materials requires a well-controlled process. As a full service provider of packaging solutions, Mesa Labs can develop custom SOPs to support quality inspections and acceptance criteria to evaluate the reuse or refurbishment of packaging materials to maintain both thermal and physical performances of temperature controlled packages.

Types of refrigerants available

TempTrust soft pouches, hard bottle gels and blankets have the following characteristics:

- Sealed in a heavy duty constructed pouch or hard bottle that can be easily cleaned for reuse
- Uses a non-toxic gel that cools more uniformly and colder than ice
- Soft pouches are durable and can be molded prior to freezing
- Available in multiple sizes and temperature ranges
- Disposable in standard waste stream and reusable

Mesa Labs gel blankets consist of pouches containing a patented formula providing superior temperature control. Each can be cut and sized to the container, allowing you to use the optimum amount of refrigerant per shipment. Applications range from covering a full pallet-load to a small product cooler.

The advantage of gel blankets over standard PCMs and gel packs is the ability to wrap around a payload to eliminate thermal "dead zones" created by traditional gel packs. They are also flexible when frozen.



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Ordering Details and Specifications

Product	Part Number	Freeze Point (C)	Size (Inches)
6-Oz white bag	035-506-WH-80	0	4 x 6
6-Oz	035-506-IF-48	0	4 x 6
16-Oz	035-516-IF-36	0	6 x 7
23-Oz	035-523-IF-24	0	6 x 9
Large PCM-18	035-PCM-L-NEG18	-18	7.9 x 6.2 x 1
Large PCM+5	035-PCM-L-5	+5	7.9 x 6.2 x 1
Large PCM +18	035-PCM-L-18	+18	7.9 x 6.2 x 1
Large PCM+22	035-PCM-L-22	+22	7.9 x 6.2 x 1
Small PCM -18	035-PCM-S-NEG18	-18	6.2 x 3.6 x 1.1
Small PCM +5	035-PCM-S-5	+5	6.2 x 3.6 x 1.1
Small PCM +18	035-PCM-S-18	+18	6.2 x 3.6 x 1.1
Small PCM+22	035-PCM-S-22	+22	6.2 x 3.6 x 1.1
Thermal blanket	035-TB-14	0	14 x 9.5 x 0.5
Thermal blanket	035-TB-12	0	12 x 9 x 0.5
Small PCM hard bottle gels	035-GB-S	0	6.2 x 3.6 x 1.1
Large PCM hard bottle gels	035-GB-L	0	7.9 x 6.2 x 1

Mesa Labs, a trusted leader in cold chain management since 2002

Since 2002 Infitrak, now Mesa Labs, has designed and developed comprehensive cold-chain solutions that protect a product's integrity and ensures patient and consumer safety. The company is an ISO 9001:2008 certified company and a ISTA 7E, Standard 20 certified laboratory, one of only a few in North America. Mesa Labs is also the only company with all three areas of compliance-based, temperature controlled services and products: packaging, consulting, and real-time monitoring, This translates into a team that is with you all the way from raw materials to end user.



For more information, visit us at www.temptrust.mesalabs.com.

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