

Liquid Nitrogen Service

Your flexible delivery service of liquid nitrogen



Liquid nitrogen is indispensable for various applications. With the extreme low temperature of $-196\text{ }^{\circ}\text{C}$ it is used as a coolant in many areas of industry, medicine, research, in laboratory or molecular cooking. Liquid nitrogen is often needed only occasionally, at different locations, or in small quantities. In such cases, supply by our liquid nitrogen service is the most convenient and economical solution.

We offer a flexible supply of up to 2000 liters. For the supply we operate a dedicated fleet of small, specially equipped and easily maneuverable tank trucks to deliver liquid nitrogen on demand or in regular intervals.

Our service drivers fill your storage or transport tanks, if desired, at the point of use and support you with advice and assistance in terms of application-oriented questions.

Apart from our liquid nitrogen service, we offer supply systems to meet the demand for large quantities as well. Our experts will be glad to advise you in planning and installation of liquid nitrogen supply systems.

Liquid nitrogen for various applications



Industry

With its extremely low boiling point, liquid nitrogen is used as a refrigerant in a variety of industrial applications – for example, metal hardening, cold shrinking, rubber removal, pipe freezing or temporary ground freezing.

Laboratory and research

Liquid nitrogen is used in cold tests and serves to cool vacuum units or special detectors. It is also required for the freezing and storage of cellular material and environmental samples.

Medicine

With liquid nitrogen, biological material can be quickly-frozen. It is used as a reliable coolant in cryobanks.

Molecular cooking

Liquid nitrogen is also used for “cooking”. Without its special properties, the creative recipes of molecular cooking would not be possible.



Support

Liquid nitrogen is stored and transported in special vacuum-insulated containers, so called dewars.

We offer dewars in various sizes for purchase and for rent. We will be glad to support you in choosing the optimal container size for your specific application.

For complex projects, involving liquid nitrogen, we also offer our assistance for the elaboration of a complete solution concept.



Safe handling of liquid nitrogen

The boiling point of liquid nitrogen is $-196\text{ }^{\circ}\text{C}$, so that handling requires appropriate precautions and safety training courses. In general, only skilled personnel should handle liquid nitrogen. The safety data sheet contains instructions for safe handling of liquid nitrogen. It is mandatory to follow these instructions. For example, liquid nitrogen must be stored in well-ventilated rooms and personal protective equipment needs to be used to prevent skin or eye contact. We will be glad to support you in your application.



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