## Making our world more productive



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# N,O Batch & Storage Tanks

additional

equipment

The produced Nitrous Oxide product needs to be stored.

The most suitable form of storage is the liquid state of the gas. After the liquefaction process, depending on the type of usage, storing the gas in batch tanks on high- or low-pressure is possible. Typically, a high amount of  $N_2O$  is stored in a LP (Low Pressure) Storage tank after the quality checked in intermediate batch tanks.





### High-Pressure Batch Storage Unit

The HP Batch Storage Unit contains two high-pressure, painted, carbon-steel spherical vessels cooled by chilled water, similarly to the high-pressure liquefier. It has a maximum of 80 barg operation pressure, and weight scales measure the tank levels. Its storage capacity is 3.100 litres.

#### Low-Pressure Batch Storage Unit

The LP Batch Storage Unit contains two low-pressure stainless steel insulated tanks and additional systems (liquefier unit, vent recovery unit). It has a maximum of 22 barg operation pressure, and the tank levels are measured by differential pressure. It is available in two different sizes with a storage capacity of 11.000/30.000 litres.

#### N<sub>2</sub>O Storage Tanks

After the quality check, the produced Nitrous Oxide was released from quarantine (Batch Tank) and normally transferred to a larger capacity storage unit from where it is forwarded to the filling systems. Two types of storage system available: vertical rockwool insulated and horizontal vacuum insulated.

#### What can we offer?

- Designed especially for N<sub>2</sub>O storage.
- Tank control and monitoring system.
- Integration into the plant control system.
- Operation safety design according to high-level standards and experience.

#### Why choose us?

- Experience as manufacturer and as a user.
- Integrated solution.
- High quality.
- More than 50 plants in operation worldwide.
- Reliable equipment with long service life.





