

Making our world more productive



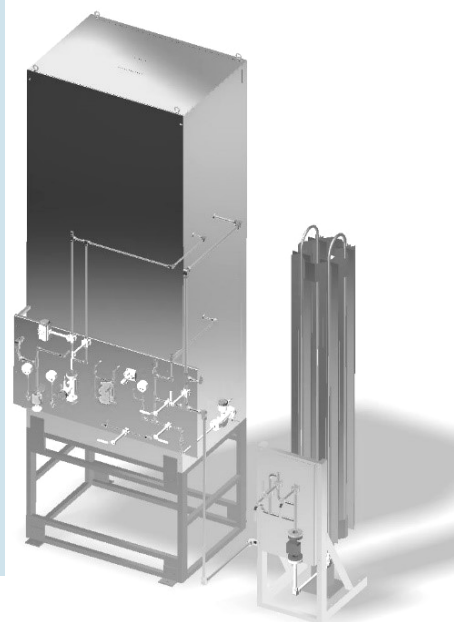
Ultra-High Purity Unit

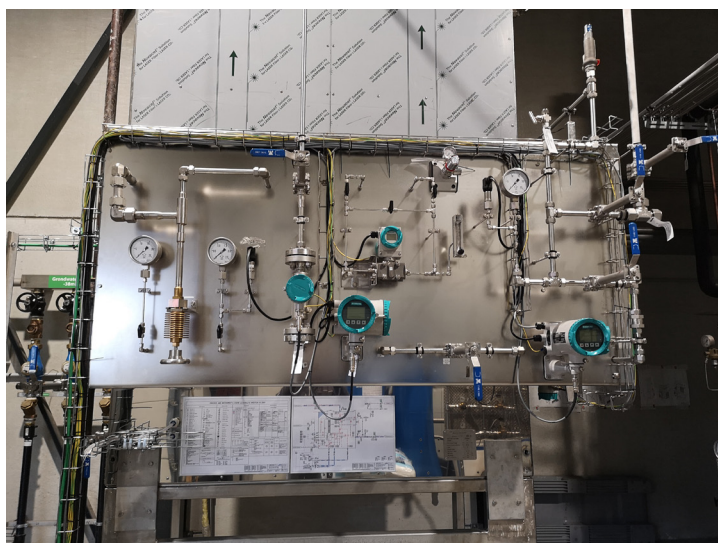
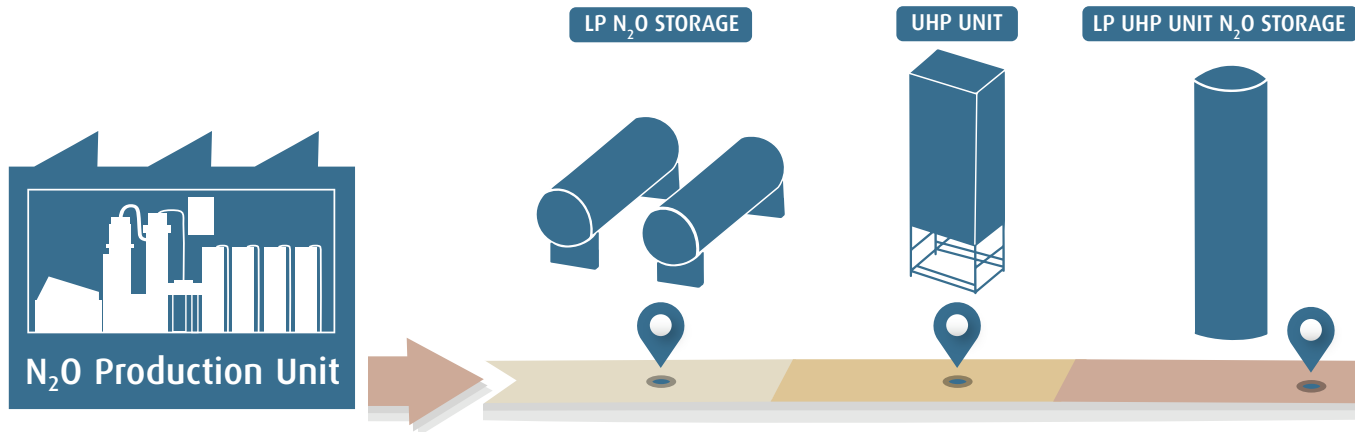
N₂O for the electronic industry

The electronic industry requires high-quality Nitrous Oxide, which has at least 99.999% N₂O content and minimal contamination. For this industrial quality (5.0 or higher), the standard quality gas needs to be further purified until it reaches the Ultra-High Purity grade.

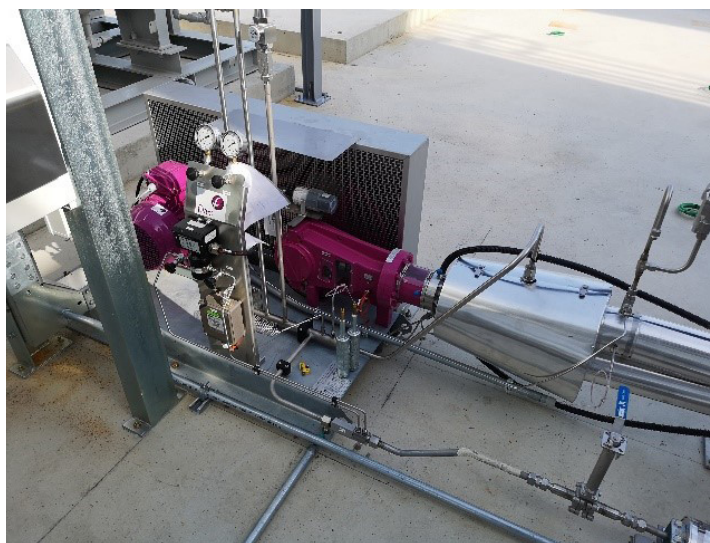
Therefore, Linde introduces the Ultra-High Purifier (UHP) unit, which includes the main unit consisting of the Coldbox and Vaporizer equipped with a specially designed UHP Pump responsible for material handling. The unit has its own control unit, which can be connected to the central control system.

The purification process requires an N₂O plant with its Low-Pressure storage tank. The UHP unit is fed from the LP N₂O tank and purify the gas to a dedicated UHP LP storage tank. The impure gas with low N₂O content has been recovered to the N₂O plant (Gasholder) to reduce the loss and prevent air pollution.





UHP cold box control panel



UHP N₂O pump

What can we offer?

- Skid-mounted UHP unit.
- Available with 120, 250 and 350 kg/h capacity.
- PLC controlled.
- Minimum 99.999% (5.0) product purity.
- Standardized units designed and optimized for N₂O purification.
- Easy integration with any Nitrous Oxide Production Plant.
- Independent operation and flexibility.

Why choose us?

- Vent-gas N₂O content recycled.
- Environment-friendly.
- The design is adjusted to the Buyer's requirement.
- Fully automatized safety system.
- Remote visualization & trending.

