

THE LINDE GROUP

Linde

Central Gas System Inquiry

Check List - Preliminary Form



Checklist for Installation

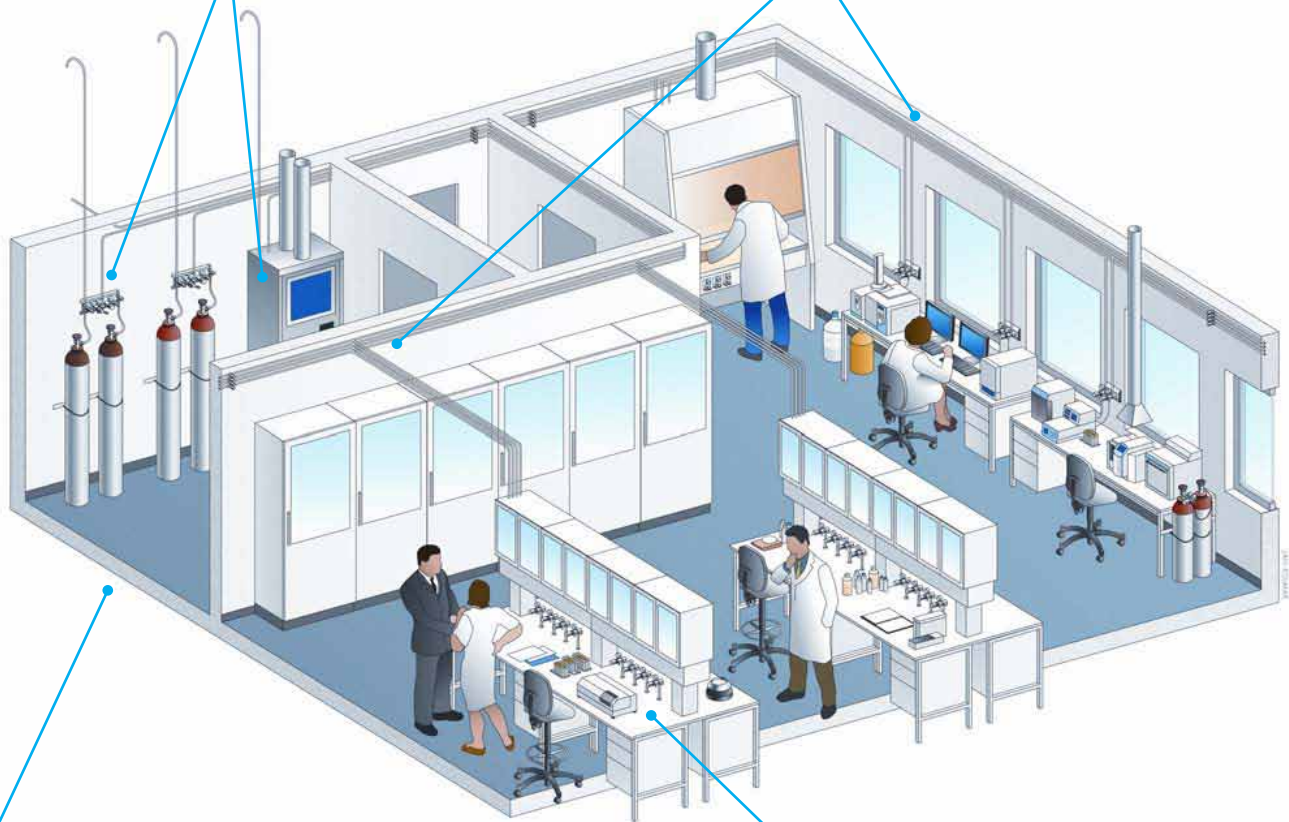
When considering a centralized gas supply system there are a variety of areas to consider. This quick checklist will assist our engineers when designing your system.

Gas panels

- Single cylinder/bundles
- Purge/vent requirements
- Auto change system
- Compatible Material of construction (Brass or Stainless Steel)
- Contact gauges for monitoring Safety outlet

Piping

- Total Length of tubing from central gas supply to point of use for each gas
- Total number of lines/gases
- Minimum Flow requirement
- Expansion considerations
- Section shut off valves



Storage

- Separate building, container or laboratory
- Designed to meet legislative/safety requirements
- Storage separation based on gas properties

Point-of-use

- Type of regulator (wall or bench)
- Outlet connection (6,8,10mm tube or other)
- Outlet pressure and flow

Other information

- Layout drawing and digital photos if available

Gas Supply Installation Check List

Date: _____

Customer Name: _____ Contact Person: _____

Contact Email: _____ Phone: _____

1. Application

- R&D Laboratory
 - Educational Laboratory
 - Quality Control Laboratory
 - Pharmaceutical
 - Other _____

2. Gas Requirements

Gas (Ar, N ₂ , He, etc)	Purity (4.0, 5.0, 6.0)	Supply Tubing Material of Construction
1.		<input type="checkbox"/> Copper <input type="checkbox"/> St. Steel <input type="checkbox"/> Polished St. Steel <input type="checkbox"/> Other _____
2.		<input type="checkbox"/> Copper <input type="checkbox"/> St. Steel <input type="checkbox"/> Polished St. Steel <input type="checkbox"/> Other _____
3.		<input type="checkbox"/> Copper <input type="checkbox"/> St. Steel <input type="checkbox"/> Polished St. Steel <input type="checkbox"/> Other _____
4.		<input type="checkbox"/> Copper <input type="checkbox"/> St. Steel <input type="checkbox"/> Polished St. Steel <input type="checkbox"/> Other _____
5.		<input type="checkbox"/> Copper <input type="checkbox"/> St. Steel <input type="checkbox"/> Polished St. Steel <input type="checkbox"/> Other _____
6.		<input type="checkbox"/> Copper <input type="checkbox"/> St. Steel <input type="checkbox"/> Polished St. Steel <input type="checkbox"/> Other _____

3. Gas Supply

Standard Outlet Pressure: _____ Maximum Flow Rate: _____ sccm slpm scfm

- Gas Supply Panels:
- Cylinder Regulator For use with Gas Requirement Number(s) _____
 - With Purge Capability No Purge Capability
 - Single Gas Supply Panel For use with Gas Requirement Number(s) _____
 - With Purge Capability No Purge Capability
 - Manifold and Change over System For use with Gas Requirement Number(s) _____
 - With Purge Capability No Purge Capability
 - _____ # cylinders per side Bundle/MCP

- Material of Construction:
- Brass For use with Gas Requirement Number(s) _____
 - Stainless Steel For use with Gas Requirement Number(s) _____

- Point of Use Equipment:
- Wall Mounted Bench Mounted

- Material of Construction:
- Brass For use with Gas Requirement Number(s) _____
 - Stainless Steel For use with Gas Requirement Number(s) _____

4. Gas Storage

- On lab floor/cabinets
 - Gas Storage Container
 - Gas Storage Room

5. Options

- Contact Gauges for remote monitor
 - Schematic Drawing/blueprint available
 - Seccura Cylinder programme
 - Digital photos from proposed location available

Getting ahead through innovation.

With its innovative concepts, Linde is playing a pioneering role in the global market. As a technology leader, it is our task to constantly raise the bar. Traditionally driven by entrepreneurship, we are working steadily on new high-quality products and innovative processes.

Linde offers more. We create added value, clearly discernible competitive advantages, and greater profitability. Each concept is tailored specifically to meet our customers' requirements – offering standardized as well as customized solutions. This applies to all industries and all companies regardless of their size.

If you want to keep pace with tomorrow's competition, you need a partner by your side for whom top quality, process optimization, and enhanced productivity are part of daily business. However, we define partnership not merely as being there for you but being with you. After all, joint activities form the core of commercial success.

Linde – ideas become solutions.

Linde AG

Linde Gases Division, Seitnerstrasse 70, 82049 Pullach, Germany
Phone + 49 89 74 46-16 61, Fax + 49 89 74 46-2071, <http://hiq.linde-gas.com>