Complementing the right gas.

SERVICES.

- Supply & facility management
- Audit delivery services
- Installation
- Maintenance
- Product deployment & training
- Lab analysis & certificates
- Process consulting & supervision
- Customer R&D
- Application training
- Training & tracking
- Order services
- Customer platform

Linde provides a broad array of SERVICES complementing your choice of gas. The SERVICES portfolio has been developed to meet your needs as a customer. The portfolio can be broken down into four interlinked segments:

1. Administrative efficiency
2. Supply reliability
3. Quality and safety
4. Process know-how

Not only do we deliver high quality products as standard, but we make it simple and easy for you to order your gas whenever you need it through our independent distribution network. For a location near you please visit Linde’s U.S. website www.lindeus.com and search the tab “Find an authorized Linde distributor in the U.S.”

Supply reliability
It is our goal to eliminate all unscheduled downtime in your delivery ensuring you get the right gas when you need it. Linde authorized distributors have over 500 locations to service your needs, related gas handling equipment and welding supplies needs. Each distributor has the capability, technical knowledge and resources needed to solve your problems in a timely fashion.

Process know-how
The Linde training and education programs are designed to the welding industry needs and our welding engineers have high competence in all gas shielding gas processes.

Quality and safety
Safety is a priority for Linde and most likely for you as well. Linde can provide you with knowledgeable and reliable technical personnel to meet your individual needs.

- Gas Analysis - professional analysis of gas in the lab or on site guarantees the high and consistent quality you need in your processes.
- Preventive maintenance contracts - we offer a regular check of your gas supply system to ensure its safe operation and, if required, to maintain and improve the system.
- Preventive maintenance contracts – we offer a regular check of your gas supply system to ensure its safe operation and, if required, to maintain and improve the system.
- Application training – you can benefit from our experience in welding and cutting applications to ensure that the skill levels of your workers are as high as possible.
- Process consultation – our application engineers can look at your gas consumption and improve it.

Process consultation – our application engineers can look at your gas consumption and improve it.


Customer Service 1-888-262-6424

Linde Gas North America LLC
575 Mountain Avenue
Murray Hill, NJ 07974 USA
www.lindeus.com

Linde Gas North America LLC is a member of the Linde Group.

The right choice for your welding operation.
Shielding gas affects your weld operation

Product Lines

<table>
<thead>
<tr>
<th>Name</th>
<th>AWS specification</th>
<th>Nominal concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PREMIER</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For easy application, it is important to choose the right shielding gas. This greatly enhances productivity and has also reduced energy consumption.

Variations

<table>
<thead>
<tr>
<th>Name</th>
<th>AWS specification</th>
<th>Nominal concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MISON</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Unintended consequences

<table>
<thead>
<tr>
<th>Name</th>
<th>AWS specification</th>
<th>Nominal concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRONIGON® mixtures</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

APPLICATIONS/GENERAL COMMENTS

- **GTAW for all metals** and provide easy arc starts.
- **Pulsed arc** offers significant advantages, especially for softer aluminum and the like. Chances are that in a cleaner environment, with less ozone, arc on time and productivity go up.
- **Pulsed arc** is achieved by fume extraction or ventilation. More important **MISON** are recommended.

Use Linde PREMIER shielding gases

While MISO shielding gases support a easy and smooth execution of a weld, PREMIER line shielding gases add additional benefits and are recommended.

- With **throughput**, arc stability has to be optimized.
- With **pulsed arc**, especially with high welding speeds, high benefits have to be considered.
- When environmental aspects are of concern.

- Where fume evacuation is being maintained.

The use of inert shielding gas like **ARGON** will increase the shielding effect; for example can cause large amount of spatter to be carried from the weld pool. By using an argon 85% CO2 mixture, the amount of spatter can be halved again. Removing spatter after welding is both costly and can cause problems if the component is subsequently painted or coated as the oil mist left by the spatter shows up as surface imperfections.