



Enhanced Welding Performance, Productivity And More

When you want to ensure precision high-quality welds in the most pressing environments, you want Praxair® HeliStar™ helium-enhanced shielding gases. These helium-enhanced blends are available in a variety of precise formulations. That means there's a Praxair HeliStar gas blend to meet your specific Gas Metal Arc Welding (GMAW or MIG/MAG), Gas Tungsten Arc Welding (GTAW), Plasma Arc Welding (PAW) and Laser welding applications.

Who Benefits From Using Praxair HeliStar Helium-Enhanced Blends?

Anyone who welds a broad range of ferrous (steel, stainless) and non-ferrous (aluminum, copper, etc.) materials...shielding gas users with pulse welding capabilities...auto repair shops (aluminum panels)...and manufacturers of:

- Carbon, stainless steel and aluminum tanks
- Transformers (copper windings)
- Stainless steel components
- Aluminum truck bodies
- Boats
- Monel piping

What Do They Say About Praxair HeliStar Helium-Enhanced Blends?

- Users report greater speed, reduced costs, lower reject rates, increased production rates, elimination of surface porosity, better weld quality, fewer weld failures and improved penetration profile.

PRAXAIR® HELISTAR™ GASES: HIGH-SPEED WELDING ON ALUMINUM, COPPER AND STAINLESS STEEL



- Praxair HeliStar blends increase the travel speed of welding dramatically, making them ideal for piece work, robotic systems and production applications.
- Better toe wetting and deeper root penetration add to the overall higher weld quality. A wider range of operating parameters is available with Praxair HeliStar blends.
- Praxair HeliStar blends produce strong welds which perform better than pure argon over minor surface contamination.



HeliStar

The Praxair Difference

- **Comprehensive, High-Quality Product Line**
A full range of pure gases, mixtures, gas handling equipment, supply systems and related products and services.
- **Application-Based Solutions**
Sales, production and research capabilities to supply you with the technical solution that best suits your needs around the world.
- **Reliable Production And Distribution Network**
Production plants and more than 600 distribution locations in North America — all serving you with the gases you need, when and where you need them.
- **Outstanding Technical Support**
A highly trained team of field sales representatives, shielding gases engineers and technical service personnel work in concert with dedicated market specialists to quickly provide the guidance and cost-effective solutions you deserve.
- **Global Supplier**
Production, distribution and application technology in over 40 countries.

Praxair HeliStar Family Of Helium-Enhanced Blends

- Helium/Argon
 - Praxair HeliStar A-25, A-50 and A-75
- Helium/Argon/Carbon Dioxide
 - Praxair HeliStar A-1025, CS and SS

Praxair Star™ Gases And Blends

Why rely on anything less than the most advanced shielding gases available? Praxair Star™ gases and blends are ideally suited to the most challenging Gas Metal Arc Welding (GMAW or MIG/MAG), Gas Tungsten Arc Welding (GTAW or TIG), Flux-Cored Arc Welding (FCAW), Plasma (PAC, PAG, PAW) and Laser applications, including:

- Praxair StarGold™ Gases — Argon-based blends for general fabrication of mild steel.
- Praxair Stargon™ Blend — The standard for versatile high-speed welding of mild steel.
- Praxair Mig Mix Gold™ Blend — High-productivity mild steel welding.
- Praxair HeliStar™ Gases — Helium-enhanced blends for increased productivity on stainless steel, aluminum, copper and some carbon steel welding applications.
- Praxair HydroStar™ Gases — Hydrogen-enhanced blends for increased productivity during GTAW, plasma welding, gouging and cutting of stainless steel.
- Praxair LaserStar™ Gases — Enhanced quality and purity to meet demanding laser needs.

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