



Improve Your Welding Performance, Productivity And Profits

Praxair® shielding gases ensure the integrity of your welds, under the most exacting conditions. Praxair HydroStar™ gases are a family of hydrogen-enhanced blends available in a variety of precision formulations for top-quality welding and cutting. Each gas blend is designed to meet the demands of your specific Gas Tungsten Arc Welding (GTAW or TIG), Gas Metal Arc Welding (GMAW or MIG/MAG) and plasma welding, gouging or cutting applications.

Setting A Standard For Quality And Consistency

To maintain the highest quality hydrogen-enhanced blends, Praxair operates ISO-certified production facilities; offers supply options from high-pressure cylinders to bulk liquid tanks; and provides mixtures that are consistent from start to finish.

Who Benefits From Using Praxair HydroStar And The Family Of Hydrogen-Enhanced Blends?

Anyone who cuts or welds 300 series stainless steel and manufacturers of stainless steel parts, including:

- Tubing and piping
- Milk containers and equipment
- Beer and wine processing equipment
- Food processing equipment
- Water tanks
- Tanker trucks
- Airplane components and aerospace equipment
- Chemical plants and equipment
- Aerospace manufacturers using Inconel



PRAXAIR® HYDROSTAR™ GASES: INCREASED PRODUCTIVITY DURING WELDING AND CUTTING OF STAINLESS STEELS



What Do They Say About Praxair HydroStar Shielding Gases?

- Praxair hydrogen-enhanced gas blends produce faster travel speeds and let you do more welding, with less distortion, in less time.
- Because Praxair HydroStar blends increase the fluidity of the weld puddle, less manipulation of the puddle is required to achieve a satisfactory, good-looking weld.
- Praxair HydroStar blends offer reduced oxidation and superior corrosion resistance. They produce welds with a bright, attractive surface finish, which need little or no post-weld cleanup (300 series stainless and Inconel).
- Praxair HydroStar blends perform best in plasma welding applications, particularly when welding in the keyhole mode.
- Praxair HydroStar blends are widely applied with Gas Tungsten Arc Welding and plasma welding, gouging and cutting.
- Using Praxair HydroStar blends in plasma arc gouging, you realize low fume levels, controlled noise, minimal base metal treatment prior to welding and excellent arc stability. These make the noisy, hot carbon arc process a thing of the past.

HydroStar

A Blend That Fits

Once you choose the right blend for your application, you can also count on consistent, dependable Praxair service and technical expertise. With almost 100 years of experience, Praxair is the leader in shielding gases technology. We can help solve your most challenging welding problems to improve your welding performance, productivity and profit.

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.

Rely On Praxair Star™ Gases And Blends

More than just 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.

- 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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Praxair HydroStar Family Of Hydrogen-Enhanced Blends

- Hydrogen/Argon
 - Praxair HydroStar H-2, H-5, H-10, H-15 and H-35

For more information, or a more detailed listing of Praxair's international locations, visit our Web site.

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