

Shenzhen Jewellok Technology Unveils Cutting-Edge Solutions in High-Purity Specialty Gas Regulation and Supply Systems

*Stainless Steel Ultra High Purity
Diaphragm Valves Pressure Reducing
Valve Hydrogen Oxygen Nitrogen Helium
Argon Gas Regulator Valve Gas
Changeover Manifold*

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EINPresswire.com/ -- Shenzhen Jewellok Technology Co., Ltd., a leading manufacturer and supplier of advanced fluid equipment, today announced its comprehensive lineup of high-purity and [ultra-high-purity specialty gas regulators](#), valves, manifolds, and cabinets designed to meet the rigorous demands of high-tech industries. Specializing in 316L stainless steel components, Jewellok is poised to enhance safety, efficiency, and precision in gas supply systems across sectors such as semiconductors, optoelectronics, and laboratory research.

In an era where technological advancements rely on ultra-pure gas delivery, Jewellok's innovative products address critical challenges in fluid control. The company's gas changeover manifolds, including semi-automatic and fully automatic systems for gases like oxygen, nitrogen, helium, and argon, eliminate the need for manual regulator handling during cylinder swaps. This not only streamlines operations but also significantly boosts safety by reducing human error in



high-pressure environments. "Our automatic non-electric gas cylinder changeover systems represent a breakthrough in reliability for industries where downtime is not an option," said a company spokesperson.

Jewellok's portfolio extends to [specialty gas pressure regulators](#), featuring single-stage and double-stage models that provide consistent pressure control through negative feedback mechanisms. These regulators are engineered for compatibility with specialty, flammable, and industrial gases, ensuring stable performance even in dynamic conditions involving corrosive media, high temperatures, and extreme pressures. The ultra-high-purity (UHP) regulators, crafted from 316L stainless steel, are ideal for semiconductor manufacturing and analytical instrumentation like gas chromatography, where precision is paramount.



Complementing these are the company's ultra-high-purity diaphragm valves, precision-engineered for critical applications in high-purity industries. These valves offer fast response times, guaranteed flow rates, and exceptional resistance to wear and corrosion. Jewellok also provides a range of high-purity gas tube fittings, including VCR joints, micro-welded tees, elbows, and sealing gaskets, which create leaktight assemblies capable of withstanding high-performance demands.

For comprehensive gas management, Jewellok offers [specialty gas cabinets](#) tailored for semiconductors, integrated circuits, flat panel displays, new materials, new energy, optical fibers, fine chemicals, laboratories, research institutes, universities, and standard testing. These cabinets, along with valve distribution boxes, gas mixers, purifiers, and scrubber tail gas treatment equipment, form integrated solutions for ultra-pure gas delivery. The BSGS and VMB special gas cabinets, in particular, ensure safe handling and distribution, meeting rigorous international standards for specialty gas systems.

What sets Jewellok apart is its commitment to customization and rapid delivery. The company provides OEM and ODM services for pressure regulators, allowing clients in oil and gas, pharmaceuticals, automotive, and renewable energy sectors to tailor products to their specific needs. With CAD and 3D prototyping capabilities, Jewellok enables cost-effective customization under its own brand, with no minimum order quantity. This flexibility extends to spare parts like prefabricated valves for semiconductor equipment, ultra-clean welded joints, and high-purity

pressure gauges in JG and JR series.

"Innovative design is at the heart of our mission," the spokesperson added. "We focus on fluid dynamics and material science to create products that optimize operations, reduce costs, and handle extreme applications reliably. Our 316L stainless steel components are not just durable—they're engineered for the future of high-tech manufacturing."

Jewellok's dedication to education and industry advancement is evident in its Blogs & News section, which recently featured insightful articles on key topics. For instance, "A Comprehensive Guide to UHP 316L Stainless Steel Gas Pressure Regulators" explores essentials for industries requiring ultra-pure gas, while "Designing for Safety: How Specialty Gas Regulator Valves Meet Rigorous International Standards" delves into the handling of high-pressure gases. Other posts, such as "Pressure Stabilization Mechanisms in Specialty Gas Regulators for Ultra-Low Flow Applications" and "Critical Technical Parameters for Specialty Gas Regulators in Semiconductor Manufacturing," provide valuable guidance on precision in chip fabrication and analytical tools.

These resources underscore Jewellok's role as a thought leader, helping professionals select appropriate inlet and outlet connections for UHP applications and understand the impact of valve seat designs on downstream pressure changes. By sharing knowledge on verifying compatibility with reactive gases like hydrides, the company empowers its clients to achieve optimal system performance.

Looking ahead, Jewellok plans to expand its offerings in chemical liquid supply and medical gas systems, further solidifying its position in global markets. The company's products, ranging from high-pressure pneumatic diaphragm valves to overflow and pressure relief valves, are designed to integrate seamlessly into large-scale industrial centralized gas supply systems.

As industries evolve toward greater efficiency and sustainability, Jewellok's solutions stand out for their innovative technology, ultra-reliable quality, and cost-effectiveness. With immediate delivery for custom valves and fittings, the company ensures that clients can implement advanced gas control without delays.

For more information on Jewellok's products and services, visit www.specialtygasregulator.com.

About Shenzhen Jewellok Technology Co., Ltd.

Shenzhen Jewellok Technology Co., Ltd. is a premier manufacturer and supplier of valves, manifolds, and specialty gas cabinets for high-purity and ultra-high-purity applications. Focusing on 316L stainless steel fluid equipment, the company serves high-tech industries including semiconductors, optoelectronics, and laboratories. Committed to innovation, safety, and customization, Jewellok delivers comprehensive solutions that enhance operational efficiency and meet international standards.

Contact:

James Yuan

Shenzhen Jewellok Technology Co., Ltd.

Building A3, No. 440, Hedong Village, Hengkeng, Guancheng Community, Guanhu Street,
Longhua District, Shenzhen City, China

Phone: +86-13380377051

Email: info@jewellok.com

Website: <https://www.specialtygasregulator.com/>

James Yuan

Shenzhen Jewellok Technology Co., Ltd

+86 133 8037 7051

info@jewellok.com

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