



## ***GAS CONTROL SYSTEMS SOLUTIONS OVERVIEW***

Manifold Systems • Control Panels • HP/UHP Regulators • Pressure Gauges • Valves & Fittings

*Technology for a Better Future*

## Company Overview

Genstar Technologies is a global leader in Gas Flow Control Systems for the industrial, specialty gas and medical sectors. We pride ourselves in our ability to provide our customers with high quality, value-added products and services that go beyond the industry standards. As a result, we have a global network of thousands of satisfied customers in over 60 countries.

## Our Team

Our highly educated team of engineers, salespeople, technicians, managers, and customer service personnel are dedicated to providing you with products with the highest quality, reliability and performance. We hold the highest standards to our manufacturing processes; our total process management maximizes our production efficiency while ensuring product quality.

We work closely with all of our customers to design products specific to your needs. This includes developing new products, redesigning existing products, and customizing configuration / packaging. It is our priority to foster a strong relationship with each and every customer.



## Quality Assurance

All of our products are manufactured under stringent quality control. We are ISO 9001:2001, ISO13485, and API certified. Our products meet UL, CE, SEMI, and various international standards and certifications.

## Manufacturing Capabilities

The manufacturing facility is equipped with CNC machining centers, electropolishing equipment, and precision automatic orbital welding systems, among other features, to ensure the production of the highest quality products.

## Clean Room Facility

Our class 10/100/1000 clean rooms are designed for Ultra High Purity (UHP) products. UHP products undergo precision machining, surface finishing, electro-polishing and passivation. All UHP products are cleaned by 18M $\Omega$  DI water in a cascade ultrasonic tank. To ensure the highest UHP product quality, they are then vacuum-dried and double-bagged.



# A TOTAL SOLUTION PROVIDER

Gentec is a total solution provider for your specialty gas control needs. From components to fully integrated systems, we can offer customized solutions to fit your specific needs.



## General Purpose Regulators

- ▶ Forged body construction
- ▶ Large diaphragms for stable delivery pressure
- ▶ Economical solution

**Series:** G152 & HP 152



## High Purity Regulators

- ▶ Barstock body construction
- ▶ Used for corrosive & toxic gases
- ▶ Wide variety of materials and configurations
- ▶ Metal-to-metal seals

**Series:** R11, R12, R14, R15, R20, R30, R40, R50, R60



## Ultra High Purity Regulators

- ▶ Used for ultra high purity gas
- ▶ VCR connections to prevent leakage
- ▶ Wet areas are EP treated to prevent contamination

**Series:** U series



## Valves

- ▶ Wide variety of materials and sizes
- ▶ Broad range of operating pressures and temperatures-
- ▶ Multiple-channel style for the needs of gas systems

**Types:** Needle Valves, Ball Valves



## Ultra High Purity Valves

- ▶ Used for HP/UHP applications
- ▶ Available in both Manual and Pneumatic types
- ▶ Diaphragm valves maintain gas purity and integrity

**Types:** Pneumatic Valves, Vacuum Generator, Purging



## Cylinder Post Valves and Connections

- ▶ Electrically polished Internally
- ▶ Multiple connections available
- ▶ Meets GB, CGA, DIN, JIS and other international standards



## Safety Products

- ▶ Provides safety for piping usages
- ▶ Ensure positive shut-off of gases

**Types:** One-Way Valve, Safety Valve, Flashback Arrestors, Overflow Valve



## Tube Fittings

- ▶ Available in both metric(3-25mm) and US (3-16"-1") systems
- ▶ Easy to install and can be reused
- ▶ Meet conformance standards



## Piping Fittings

- ▶ Made with high quality 316L stainless steel
- ▶ 1/8" to 1" NPT connections available
- ▶ Broad range of operating pressures and temperatures



## Ultra High Purity Connections

- ▶ Made with high quality 316L stainless steel
- ▶ Used for semi-conductor & research applications
- ▶ Wide variety of configurations

**Type:** Orbital welded and face seal connections



## Piping Accessories

- ▶ Pigtails available in different lengths and connections
- ▶ 0.5 ~ 90 µm pore sizes available for one way or 3 way filters

**Types:** High Pressure Pigtails, Filters, Quick Connectors



## Gauges

- ▶ High accuracy
- ▶ Available in different pressure units
- ▶ Fabricated with high quality German Bourdon tubes

## Industrial Alarms

- ▶ Easy to install and use
- ▶ Can be used as both local and remote alarms



## Module Panel Solutions

- ▶ Used for laboratory, gas cabinets and other specialty gas applications
- ▶ Compact and space saving designs
- ▶ Customized solutions available to meet your specific needs
- ▶ Can be repaired on site



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