



PHARMACEUTICAL AND FINE CHEMICAL INDUSTRIES

Improving equipment reliability, optimizing production efficiency, while achieving outstanding safety.



▪ SAFETY ▪ PRECISION ▪ RELIABILITY

ONENESS
PRIMO FLO[®]

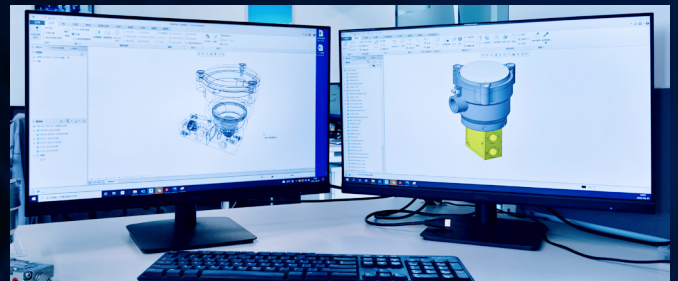
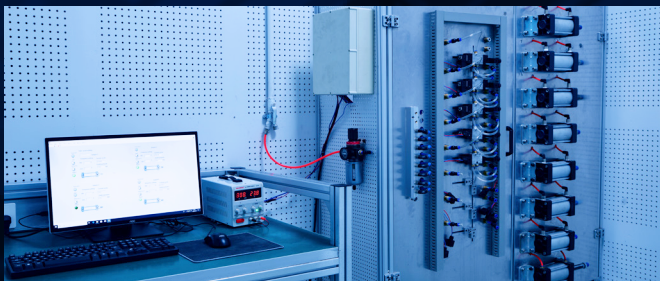
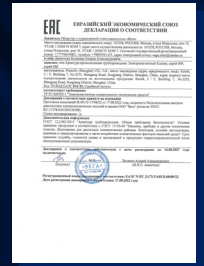
INTELLIGENT SOLUTIONS

STRIVING FOR EXCELLENCE MAKING THE BREAKTHROUGH

Headquartered in UK, we focus on industries such as petroleum, chemical, pharmaceuticals, electricity and metallurgy. Through multiple acquisitions and reorganizations, we have achieved rapid development and established a research and development center in Shanghai, China.

History can be traced back to 1987 when it was established in the Netherlands as the valve division of Jansen BV Engineering. Over the years, we have continued to grow and has earned recognition in the industry. By continuously innovating and pursuing excellence in quality, we expand its product lines and enhances its technical capabilities to meet customer needs.

As an expert in the pharmaceutical and fine chemical industries, we primarily provide fluid control products and solutions. These products and solutions are widely used in areas such as pharmaceutical intermediates, specialty chemicals, chemical synthesis, polymer materials, pesticides, and catalysts, providing customers with safe, reliable, and high-performance solutions.

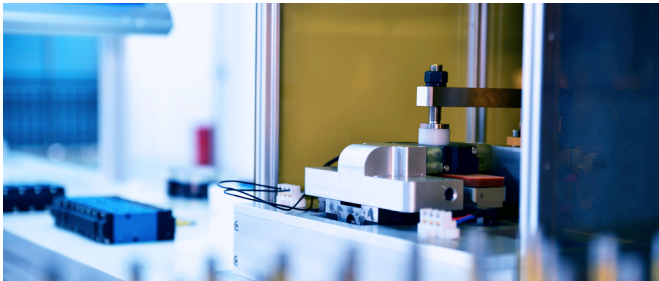
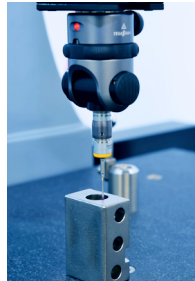


STABLE AND RELIABLE WITH INGENIOUS FABRICATION

Shanghai factory has obtained a series of relevant certifications including ISO 14001 Environmental Management System, ISO 45001 Occupational Health and Safety Management System, ISO 9001 Quality Management System, CCC Product Certification, and Kinds of Explosion-proof Product Certification (NEPSI/EAC/ATEX). It strictly adheres to the certification requirements, controlling the entire process from product design, manufacturing to after-sales service.

We possess core products in the field of fluid process control and controls the research and manufacturing of the global core supply chain. It strictly controls the process requirements of key components such as coils, rubber parts, moving and static iron cores, and springs to ensure product quality stability and reliability. All core products have obtained SIL3 certification.

Our mission is to provide excellent intelligent fluid control solutions, creating value for customers, offering growth opportunities for employees, and making sustainable contributions to society through innovation and sustainable development.



FULL-FLEDGED FLUID CONTROL SOLUTIONS



 SAFETY



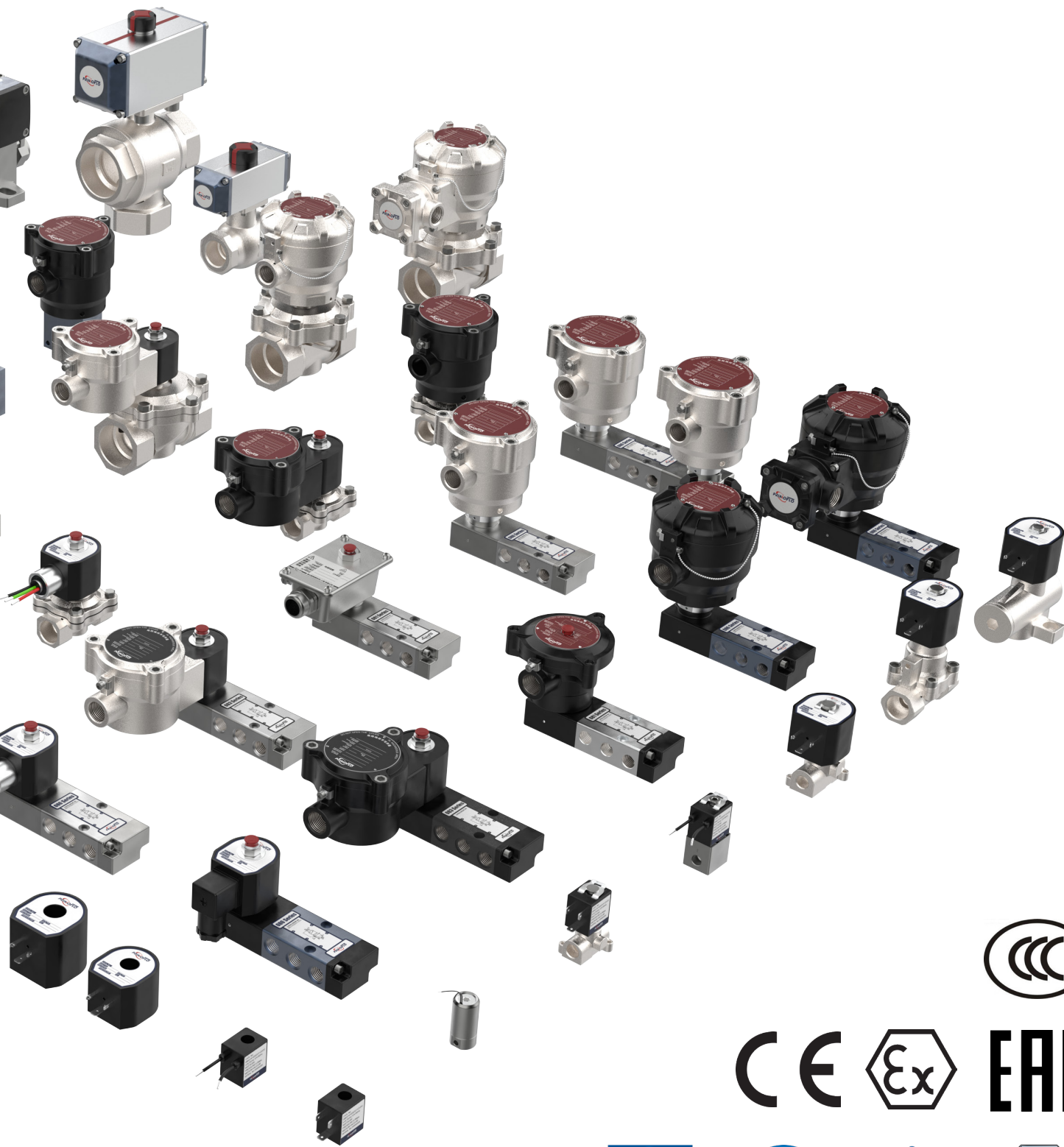
 RELIABLE



 LOW POWER CONSUMPTION



Design and manufacture a wide range of standard and customized fluid control solutions for use in hazardous and safe area environments, helping customers tackle significant engineering challenges on a global scale.



INNOVATIVE SOLUTIONS TO SOLVE INDUSTRY CHALLENGES

Flameproof type
IP66/IP67
protection rating

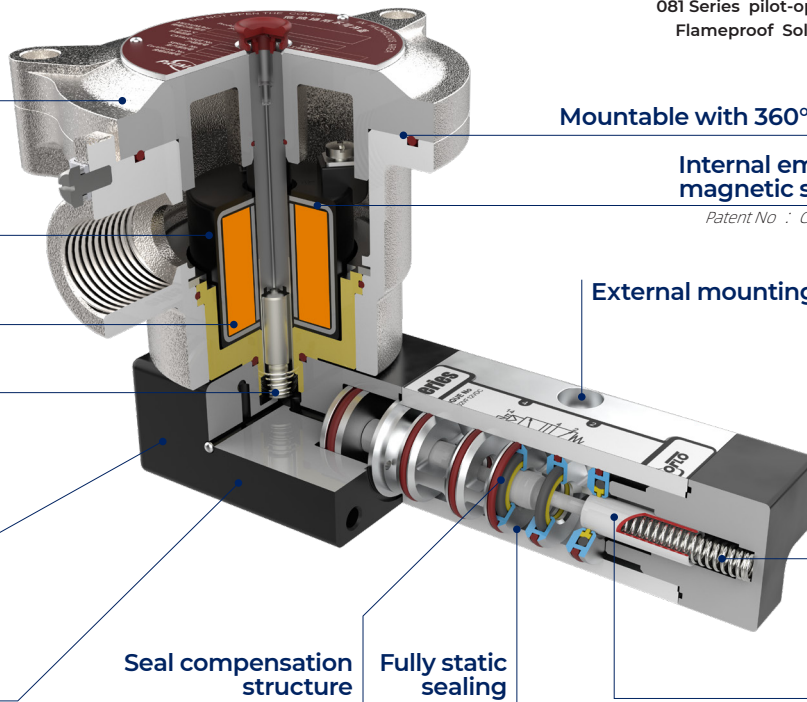
Standard Insulation
Class H

Low-power magnetic
circuit loop

Super-soft magnetic
materials

3/2, 5/2 or 5/3
available

Compact size



Patent No.: CN220354538U

O81 Series pilot-operated DLC
Flameproof Solenoid Valve.



▶ The pharmaceutical and fine chemical industries are currently facing a series of challenges, including higher safety requirements, improving plant operational reliability, and the pressure to control operating costs while increasing efficiency.

▶ To address these challenges and meet the needs of the pharmaceutical and fine chemical industries, we focus on providing customized solutions. While ensuring product and process safety, we assist in optimizing plant operational reliability, reducing operating costs, and enhancing operational efficiency.

▶ Through close collaboration with customers, we provide comprehensive design, manufacturing, and debugging services to ensure that solutions fully meet customer requirements, thereby helping them succeed in the competitive market.



Fast Response

Our solenoid valves feature high sensitivity and fast switching characteristics, allowing for quick opening and closing to adapt to real-time changes in production processes. This enables optimization of production processes, reduction of response time, minimization of production downtime, and enhancement of operational efficiency and capacity of production lines.



High Reliability and Durability

We employ advanced wear-resistant and corrosion-resistant materials, combined with optimized structural design and precision manufacturing processes, to ensure that the solenoid valves maintain stable performance over long periods. This helps reduce product defect rates, improve production efficiency, and ultimately enhance the competitiveness of the enterprise in the market.



Explosion-proof Safety Protection

We offer a variety of explosion-proof solenoid valves to meet the needs of different environments and applications. They provide reliable safety protection in potentially explosive environments, safeguarding factory equipment through dependable explosion-proof performance, reducing the risk of accidents, and ensuring smooth production processes.



Energy Saving and Sustainable Development

Our low-power consumption design solenoid valves significantly reduce energy consumption. By minimizing energy usage, you can effectively lower energy costs and enhance competitiveness. We can provide long-term energy cost savings for businesses, enabling substantial economic benefits during operations while reducing carbon footprints and environmental impacts, thereby promoting sustainable development.

081-DLC Series Flameproof Solenoid Valve

Low power consumption, compact, pilot-operated explosion-proof solenoid valves are ideal for applications requiring fast response and ultra-long lifespan in harsh environments.

- Static Seal Design
- Low Power Consumption, as low as 1.5W.
- 3/2, 5/2, and 5/3 options available
- Aluminum and stainless steel options available
- Flow rates of up to 1200 l/min (72 m³/h)
- The temperature range is from -60°C to 65°C (-76°F to 149°F).
- Compliant with IEC 61508 system safety standard, TÜV certified to SIL3 level.



081-PSC Series Explosion-proof Solenoid Valve

Compact, pilot-operated explosion-proof solenoid valves are highly suitable for applications requiring fast response and ultra-long lifespan in harsh environments.

- Static Seal Design
- Single/double solenoid configuration
- 3/2, 5/2, and 5/3 options available
- Suitable for explosive environments
- Flow rates of up to 1200 l/min (72 m³/h)
- Available with Tapped connections and NAMUR connections.
- Compliant with IEC 61508 system safety standard, TÜV certified to SIL3 level.



081-ISC Series Intrinsic Safety Solenoid Valve

Compact, pilot-operated intrinsically safe solenoid valves are ideal for applications requiring fast response and ultra-long lifespan in harsh environments.

- Static Seal Design
- Single/double solenoid configuration
- 3/2, 5/2, and 5/3 options available
- Aluminum and stainless steel options available
- Flow rates of up to 1200 l/min (72 m³/h)
- Meets intrinsically safe system applications.
- Compliant with IEC 61508 system safety standard, TÜV certified to SIL3 level.



069 Series Refined Flameproof Solenoid Valve

Two-way three-port, compact, direct-acting solenoid valves are highly suitable for applications requiring ultra-fast response and ultra-long lifespan in harsh environments.

- Direct Operated Poppet Type
- Balanced Valve Plug Design
- Multiple explosion-proof types available
- Aluminum and stainless steel options available
- The temperature range is from -60°C to 65°C (-76°F to 149°F).
- Compliant with IEC 61508 system safety standard, TÜV certified to SIL3 level.



F37 Series Filter Pressure Regulator

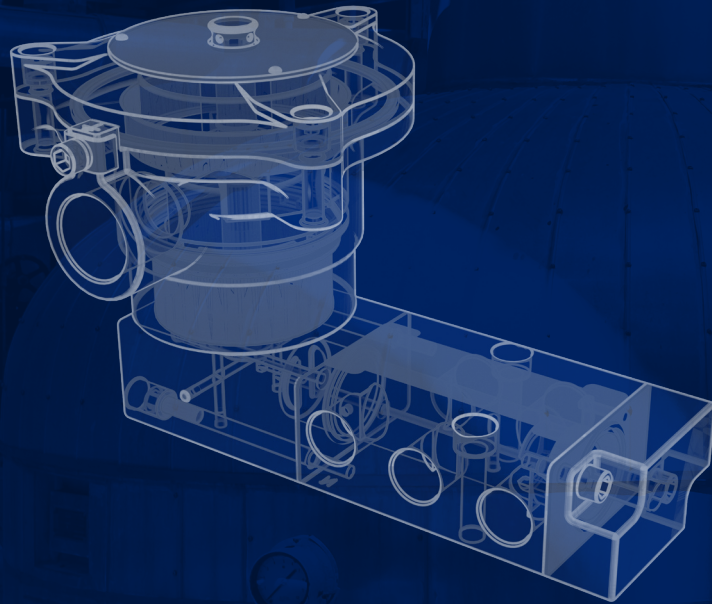
High-performance, compact filter pressure regulators are applied to meet the stringent requirements of harsh process environments.

- Integrated filter and pressure regulation structure
- Different filter elements available: 5µ / 25µ / 40µ
- The temperature range is from -55°C to 80°C (-67°F to 176°F).
- Compliant with IEC 61508 system safety standard, TÜV certified to SIL3 level.
- Compliant with EAC certification

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Primoflo reserves the right to modify or improve the design or specifications of the products described in this document without prior notice.