



# OIL AND GAS INDUSTRIES

To improve production efficiency, ensure equipment reliability and safety, and achieve efficient and stable operation.



▪ SAFETY ▪ RELIABLE ▪ LOW POWER CONSUMPTION

**ONENESS**

**PRIMOFLU<sup>®</sup>**

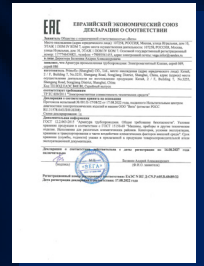
INTELLIGENT SOLUTIONS



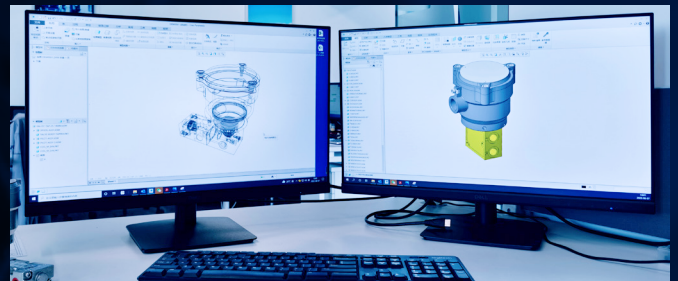
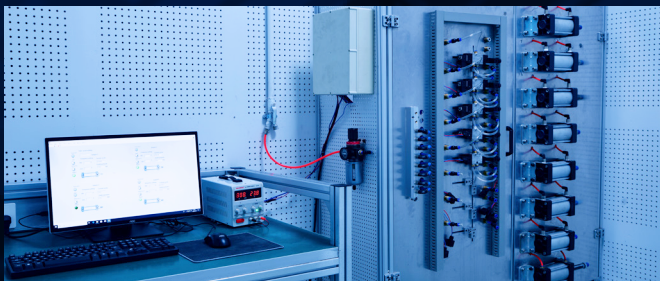
# STRIVING FOR EXCELLENCE, MAKING THE BREAKTHROUGH

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 oil and gas industry, we primarily provide fluid control products and solutions. Its products and solutions are widely used in onshore oil and gas, offshore oil and gas, transportation and storage, refining and chemical, liquefied natural gas, and other fields, offering customers safe, reliable, and high-performance solutions.

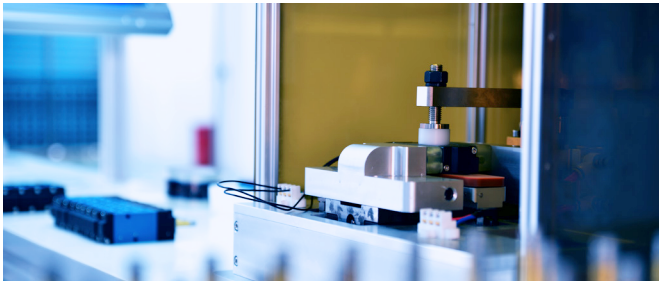
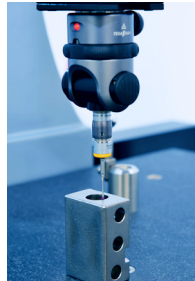
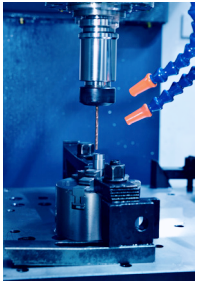


# STABLE AND RELIABLE WITH INGENIOUS FABRICATION

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

O86 Series pilot-operated DSC  
Flameproof Solenoid Valve



Flameproof type  
IP66/IP67 protection  
rating

Extra-large storage space

Standard Insulation  
Class H

Internal embedded  
magnetic structure

Patent No. : CN218845270U

Low-power magnetic  
circuit loop

Super-soft magnetic  
materials

Mountable with 360° rotation

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

External mounting  
screws

"Internal breathing structure"  
isolates internal components from  
the atmosphere

Compact Size

Sealing  
compensation  
structure

Fully static  
sealing

"Self-lubricating"  
valve stem

Patent No. : CN220354538U

## O86-DSC 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.
- Flow rates of up to 1400 l/min (84 m<sup>3</sup>/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.
- 3/2, 5/2, and 5/3 options available
- Aluminum and stainless steel options available

O86-DSCA



O86-DSCS



## O86-RSC Series Refined Flameproof Solenoid Valve

Dual-chamber, pilot-operated exK14:M15 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.
- Flow rates of up to 1400 l/min (84 m<sup>3</sup>/h)
- Available with Tapped connections and NAMUR connections. The dual-chamber Flameproof design effectively prevents moisture and corrosion from corroding the coil.
- Compliant with IEC 61508 system safety standard, TÜV certified to SIL3 level.
- Suitable for explosive environments
- 3/2, 5/2, and 5/3 options available

O86-RSCS

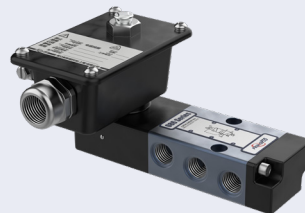


## O86-ISC Series Intrinsic Safety Solenoid Valve

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
- Aluminum and stainless steel options available
- Flow rates of up to 1400 l/min (84 m<sup>3</sup>/h)
- Compliant with IEC 61508 system safety standard, TÜV certified to SIL3 level.
- Meets intrinsically safe system applications.
- 3/2, 5/2, and 5/3 options available

O86-ISCA



O86-ISCS







### 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.



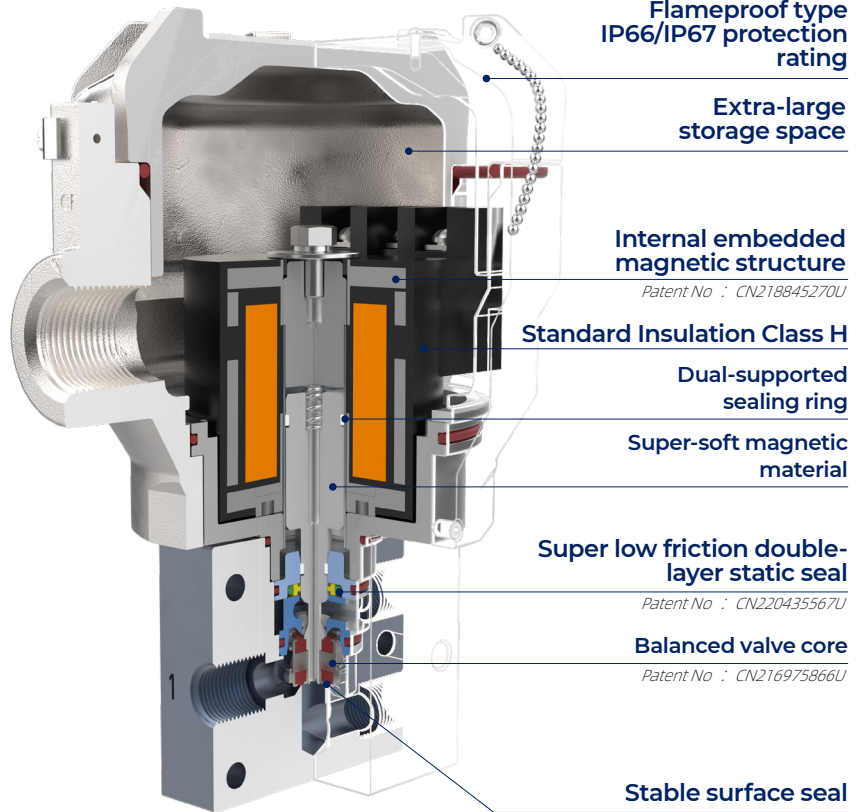
### Explosion-proof Safety Protection

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.



▶ The oil and gas industry, as a critical sector, faces a series of challenges, including issues related to safety, reliability, and process optimization. These challenges pose demanding requirements for the industry in terms of ensuring safety operations, improving efficiency, and controlling costs.

▶ In response to the challenges facing the oil and gas industry, we are committed to providing reliable, stable, and safe solutions to ensure equipment's stable operation and reliability. With extensive expertise and experience, we can address safety risks, equipment reliability, and process optimization issues in the oil and gas industry.

▶ Our specialized team collaborates closely with customers, delving into their pain points and offering customized solutions. We are committed to providing efficient, reliable, and durable solutions to help customers reduce costs, improve production efficiency, and achieve success in the competitive market.



### O69 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
- Low Power Consumption, as low as 1.8W.
- 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.
- Multiple manual operation options available
- Aluminum and stainless steel options available



### F37 Series Filter Pressure Regulator

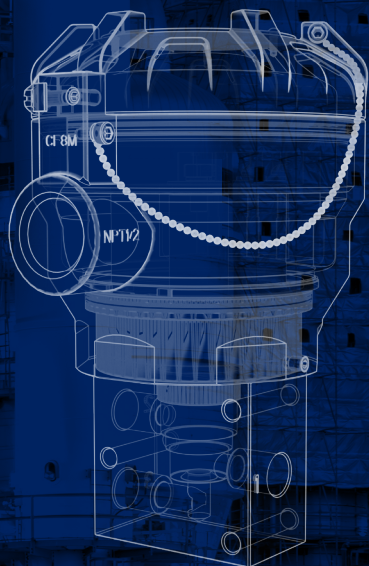
High-performance, compact filter pressure regulators are applied to meet the stringent requirements of harsh process environments.

- Integrated filter and pressure regulation structure
- Different filter elements available: 5μ / 25μ / 40μ
- The temperature range is from -55°C to 90°C (-67°F to 194°F).
- Compliant with IEC 61508 system safety standard, TÜV certified to SIL3 level.
- Compliant with EAC certification

# ONENESS

**PRIMOFLU**<sup>®</sup>

INTELLIGENT SOLUTIONS



## GUANGZHOU ONENESS TECHNOLOGY CO., LTD

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