



CUSTOMIZED CONTROL SOLUTIONS  
**Electropneumatic Systems**

Modular Systems & Solutions

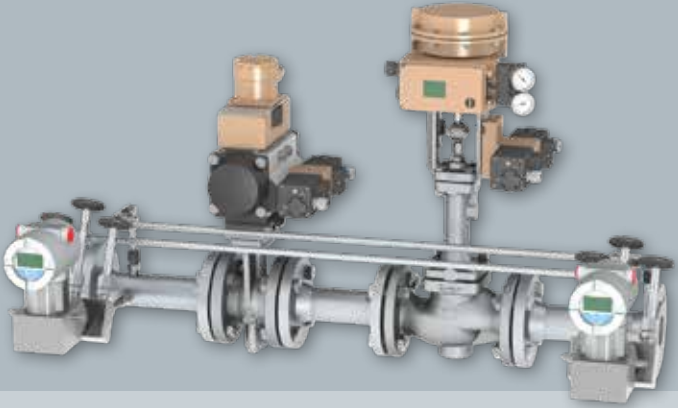
**SMART IN FLOW CONTROL**

# SAMSON: YOUR PARTNER FOR ELECTROPNEUMATIC SYSTEMS



- Individual consulting and customer support
- Customized solutions
- Standard solutions
- Design and manufacturing expertise
- Instrumentation and controls to meet highest requirements
- Compact turnkey systems for quick and simple installation
- Global sales and service network
- Commonly used standards, regulations and certificates (ATEX, SIL, PED, ASME, MRL etc.)
- Certification for chemical applications

# BACKFLOW PREVENTION FOR SIL REQUIREMENTS



- Ready-to-install flange-to-flange compact unit
- Version for safety-instrumented systems up to SIL 3
- Closing times in less than one second even in large valve sizes
- Low pressure loss  
Gases: 100 mbar  
Liquids: 200 mbar
- Special units and customized solutions on request
- Support in the planning phase of the safety function
- Mounting including pipeline, wiring and configuration at SAMSON

# PNEUMATIC CONTROL CABINETS



- Self-operated (when compressed air or nitrogen are used as the process medium)
- Pneumatic PI control
- Pneumatic sequence control/logics
- Simple to operate in hazardous areas
- Electropneumatic interfaces
- Low maintenance
- Turnkey system including pneumatic control valves available
- Use of proven standard components
- Customized solutions

# SOLENOID VALVE SYSTEMS



- ESD (emergency shutdown) systems
- Emergency supply systems for use in hazardous areas
- Emergency venting systems for use in hazardous areas
- Safety instrumented systems, e.g. 2oo2D configuration
- Customized solenoid valve hook-ups
- Set up in a control cabinet or on a mounting plate
- Special units and customized solutions on request

# SAMSON AT A GLANCE

## STAFF

- Worldwide 4,300
- Europe 3,300
- Asia 500
- Americas 200
- Frankfurt am Main, Germany 1,800

## SALES SITES

- More than 50 subsidiaries
- More than 200 representatives

## MARKETS

- Chemicals and petrochemicals, energy, district heating, district cooling, building automation, industrial applications, industrial gases, food, beverages, metallurgy, mining, oil and gas, pharmaceuticals, biotechnology, marine equipment, water and wastewater, pulp and paper

## PRODUCTION SITES

- SAMSON Germany, Frankfurt
- SAMSON France, Lyon
- SAMSON Turkey, Istanbul
- SAMSON USA, Baytown, TX
- SAMSON China, Beijing
- SAMSON India, Pune district
- SAMSON Russia, Rostov-on-Don
- SAMSON AIR TORQUE, Bergamo, Italy
- SAMSON CERA SYSTEM, Hermsdorf, Germany
- SAMSON KT-ELEKTRONIK, Berlin, Germany
- SAMSON LEUSCH, Neuss, Germany
- SAMSON PFEIFFER, Kempen, Germany
- SAMSON RINGO, Zaragoza, Spain
- SAMSON SED, Bad Rappenau, Germany
- SAMSON STARLINE, Bergamo, Italy
- SAMSON VDH PRODUCTS, the Netherlands
- SAMSON VETEC, Speyer, Germany



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