

CUSTOMIZED CONTROL SOLUTIONS

Steam Conditioning

Modular Systems & Solutions

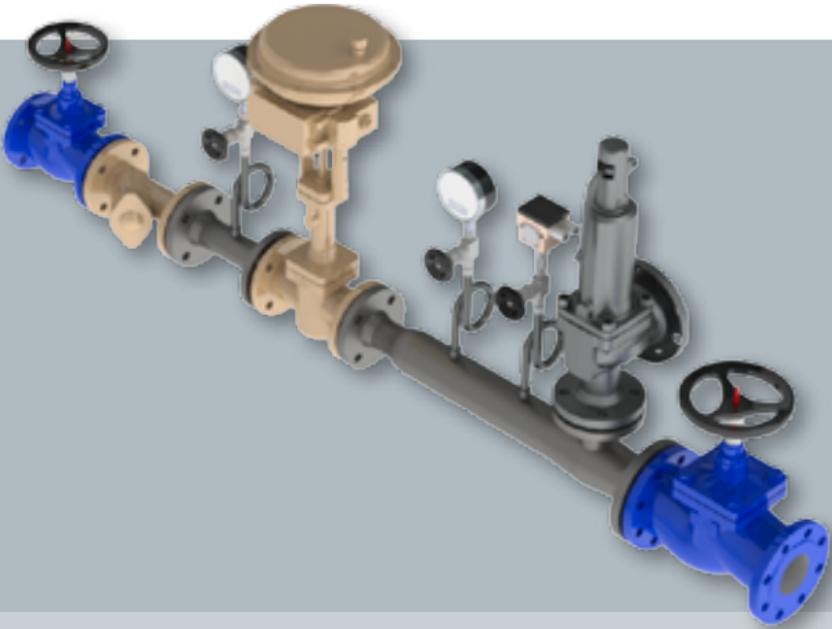
SMART IN FLOW CONTROL

SAMSON: YOUR PARTNER FOR STEAM CONDITIONING



- Individual consulting and customer support
- Optimized processes
- Optimized costing
- Standard and customized solutions
- Compact turnkey systems for quick and simple installation
- Instrumentation and controls to meet highest requirements
- Global sales and service network
- Commonly used standards, regulations and certificates (ATEX, SIL, PED, ASME, IBR etc.)

PROCESS CONTROL SYSTEM



- Compact stations to control pressure, temperature, mass flow and flow rate
- Designed as control loops for heat exchanger stations
- Designed to comply with chemical and general industry standards
- Optionally fitted with self-operated regulators or electropneumatic control valves
- Optionally with bypass, safety valve, cyclone separator, pipeline drains, instrumentation, control unit and skid or fixture
- Stainless steel, spheroidal graphite iron or cast iron
- Standard version includes sizes up to DN 200, PN 40, 300 °C
- Special units and customized solutions on request

STEAM DESUPERHEATING



- Steam desuperheating with fixed nozzle
- A temperature at least min. 10 K above saturated steam temperature can be achieved
- Minimum rangeability 1:3
- Suitable for industrial applications
- Optionally with cooling water valve or as a complete control station unit with pressure valve
- Optionally with cyclone separator, pipeline drains, instrumentation and control unit
- Carbon steel or stainless steel
- Standard version includes sizes between DN 50 and 200, PN 40, 300 °C
- Special units and customized solutions on request

WATER BATH DESUPERHEATERS (SATURATED STEAM GENERATORS)



- Saturated steam generation with superheated steam
- Saturated steam temperature control by regulating the pressure
- Control accuracy <0.1 K
- Steam control range from 0 to 100 %
- Amount of steam from 0 to more than 40,000 kg/h
- Standard version DN 300 to 1200, PN 16, with pressure control and reduction, cooling water supply
- More challenging design specifications 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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