



用于深冷工况的SAMSON产品

深冷阀、自力式控制阀、差压计

GAS AT THE RIGHT TIME AND PLACE

Safety and quality are paramount when transporting and storing liquefied industrial gases. The extreme operating conditions (pressures up to 40 bar and temperatures down to $-196\text{ }^{\circ}\text{C}$) make it necessary to use special valves. The self-operated Series 2357 Pressure Regulators and Type 2040 Safety Temperature Monitors are especially designed for the conditions in cryogenic service. The pressure regulators ensure that the tank pressure is right at all times, while the safety temperature monitors shut off any flow in case of emergency to protect the downstream pipe sections against impermissibly low temperatures.



Type 2357 and Type 2040

- Cleaning and testing in compliance with international standards (such as DIN EN 12300)
- Suitable for oxygen service
- Type examination according to 2014/68/EU
- Wide range of accessories available, including welding ends, solder-on nipples and spare parts
- Delivery with customized set points and limits possible

Type 2357-1 Pressure Build-up Regulator

- With safety function
- Can also be used as pressure reducing valve (without safety function)
- Type 2357-11: stainless steel version ultrapure gas service
- Integrated strainer
- Rugged design and low overall height

Type 2357-2 Excess Pressure Valve

- For use as economizer
- With additional non-return unit (optional)
- Stainless steel version for ultrapure gas service (Type 2357-21)
- Integrated strainer





Type 2357-3 Pressure Build-up Regulator

- Functions as excess pressure valve and pressure build-up regulator in one unit
- With safety function
- With additional non-return unit (optional)
- Versions for gas and liquid stages (K_{VS} 3.2)
- Stainless steel version for ultrapure gas service
- Integrated strainer



Type 2040 Safety Temperature Monitor

- They close when the actual value falls below the adjusted limit and when a sensor breaks and protect too cold control medium from entering the downstream consumers
- Typetested by TÜV
- Wide limit ranges from +10 to -45 °C



STAY UP TO DATE

Reliably monitoring the process medium is always the most important task of measuring instruments, regardless of whether they are used as liquid level meters in storage tanks and pressure vessels, as differential pressure meters in industrial and building automation systems, or as flow meters operating according to the differential pressure method.



Liquid level, differential pressure and flow meters

The Media Series by SAMSON includes solutions for liquid level, differential pressure and flow measurement. The liquid levels and pressures that exist in the tanks are monitored and analyzed from the control room. As a result, the products can be supplied on time and in line with demand. At the same time, safety is monitored continuously.

The modular design of the Media series also facilitates attachment of valve block, operating pressure gauge and limit contacts.

Media 7 is capable of remote data transmission using a GSM module for communication with the SAM TANK MANAGEMENT.





Media 7

- Controlled by microprocessor
- Internal tank pressure sensor
- Modular power supply unit with standby power supply (SPS)
- Analog and digital inputs and outputs, 24 V supply voltage output
- 4" backlit graphics display
- Certified for zone 0

Media 5

- Indicator Ø 160 mm
- Customized scales
- Measuring ranges up to 3600 mbar
- Measuring range adjustment 1:2
- Zero adjustment from the front
- Can be fitted with three limit contacts
- Modular design

Media 05

- Indicator Ø 100 mm
- Customized scales
- Measuring ranges up to 3600 mbar
- Measuring range adjustment 1:1.6
- Zero adjustment from the front
- Can be fitted with two limit contacts
- Modular design



SAMSON AT A GLANCE

STAFF

- Worldwide 4,500
- Europe 3,700
- Asia 600
- Americas 200
- Frankfurt am Main, Germany 2,000

MARKETS

- Chemicals and petrochemicals
- Power and energy
- District heating and cooling, building automation
- General industry
- Industrial gases
- Food and beverages
- Metallurgy and mining
- Oil and gas
- Pharmaceuticals and biotechnology
- Marine equipment
- Water and wastewater
- Pulp and paper

PRODUCTS

- Valves
- Self-operated regulators
- Actuators
- Valve accessories
- Signal converters
- Controllers and automation systems
- Sensors and thermostats
- Digital solutions

SALES SITES

- More than 50 subsidiaries in over 40 countries
- More than 200 representatives

PRODUCTION SITES

- SAMSON Germany, Frankfurt, established 1916
Total plot and production area: 150,000 m²
- SAMSON France, Lyon, established 1962
Total plot and production area: 23,400 m²
- SAMSON Turkey, Istanbul established 1984
Total plot and production area: 11,053 m²
- SAMSON USA, Baytown, TX, established 1992
Total plot and production area: 9,200 m²
- SAMSON China, Beijing, established 1998
Total plot and production area: 10,138 m²
- SAMSON India, Pune district, established 1999
Total plot and production area: 18,000 m²
- SAMSON Russia, Rostov-on-Don, established 2015
Total plot and production area: 5,000 m²
- SAMSON AIR TORQUE, Bergamo, Italy
Total plot and production area: 27,684 m²
- SAMSON CERA SYSTEM, Hermsdorf, Germany
Total plot and production area: 14,700 m²
- SAMSON KT-ELEKTRONIK, Berlin, Germany
Total plot and production area: 1,060 m²
- SAMSON LEUSCH, Neuss, Germany
Total plot and production area: 18,400 m²
- SAMSON PFEIFFER, Kempen, Germany
Total plot and production area: 35,400 m²
- SAMSON RINGO, Zaragoza, Spain
Total plot and production area: 18,270 m²
- SAMSON SED, Bad Rappenau, Germany
Total plot and production area: 10,370 m²
- SAMSON STARLINE, Bergamo, Italy
Total plot and production area: 26,409 m²
- SAMSON VDH PRODUCTS, the Netherlands
- SAMSON VETEC, Speyer, Germany
Total plot and production area: 27,090 m²



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