

The SAMSON logo consists of the word "SAMSON" in a white, bold, sans-serif font, centered within a solid black circle. This circle is itself centered within a white square frame.

SOLUTIONS

for Steam Generation

SMART IN FLOW CONTROL

Electric steam generators

The transition towards renewable energy sources currently taking place in European energy markets is also driving the change from conventional oil or gas-powered steam generation towards climate-neutral steam generation powered by green electricity. Electric steam generators are the only sensible solution with several clear advantages over conventional steam generators.

Type 7121

Rating from 15 to 90 kW
Boiler pressure max. 6 bar

Compact and reliable
Compact unit according to industry standard with optional modules made to match

2



Industrial grade
Made of stainless steel
Designed for continuous operation in challenging environments

3

Steam generation for direct supply on site

A decentralized steam network can be implemented with electric steam generation.

- Lower cost of investment because no steam pipelines need to be installed
- Less heat lost since the steam does not need to be fed through a pipe network to reach consumers
- More reliable and easier to service since consumers have a dedicated supply. As a result, only a single consumer is directly affected in the event of failure or during servicing work.

Climate-neutral steam generation

Climate-neutral generation of steam is possible using electricity generated from renewable energy sources:

- Lower cost of investment compared to conventional steam generation (no chimney or emission control etc. required)
- Less heat lost since the steam is generated directly on site
- Lower energy costs since off-grid electricity (e.g. solar power) is used for steam generation

Electric steam generators by SAMSON

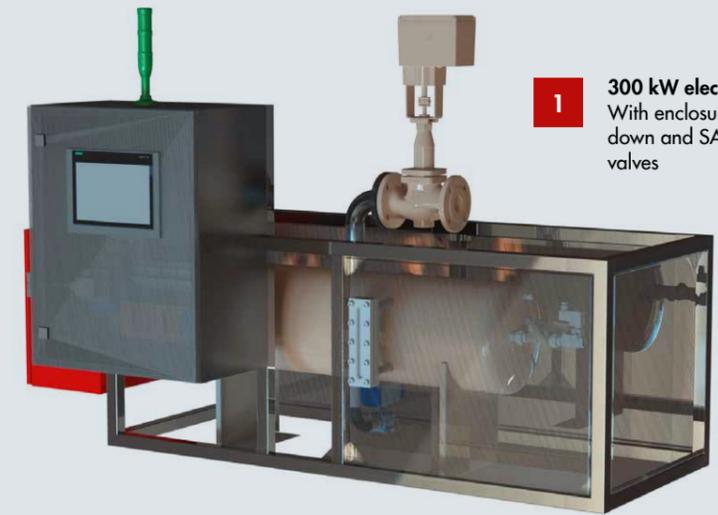
SAMSON is a well-established manufacturer of steam engineering solutions for industrial applications. We offer products for steam conditioning as well as various solutions for electric steam generation. Our range includes stand-alone steam generators as well as containerized boiler rooms with water treatment, feedwater tanks and other optional equipment.

Type 7120

300 kW rating
Boiler pressure max. 11 bar
(operating pressure 10 bar)

Compact unit according to industry standard
Made of stainless steel
Designed for continuous operation in challenging environments

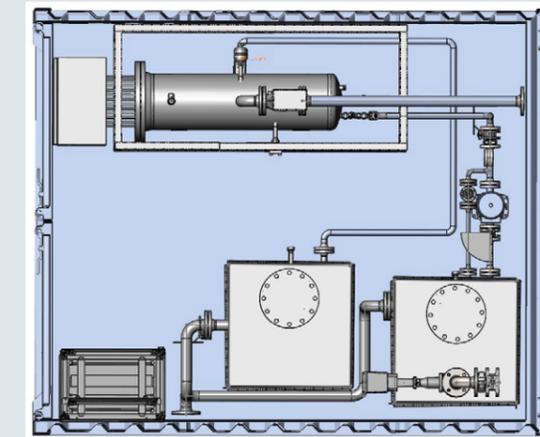
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1 300 kW electric steam generator
With enclosure, automatic blow-down and SAMSON control valves

1 Wide range of optional modules
Type 7126 Feedwater System
Type 7123 Movable Base
Type 7125 Blowdown Vessel
Water softening unit

4 Highly flexible
Ranging from mobile units to small industrial-grade boiler systems



3 Containerized Type 7128 Boiler Room
300 kW boiler room in 10-foot container
Max. three 300 kW in 20-foot container
Delivered as turnkey installation

4 Modular design
For installation in a containerized Type 7128 Boiler Room or on site in a plant
- Type 7127 Boiler Feedwater System including water treatment
- Type 7124 Blowdown Vessel including automatic cooling

Additional systems:
- Type 7111 Pump Module to raise the pressure
- Type 7150 Pressure Control System for steam pressure control
- Type 7140 Condensate Recovery System for collection and feedback of condensate

SAMSON AT A GLANCE



STAFF

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

INDUSTRIES AND APPLICATIONS

- Chemicals and petrochemicals
- Food and beverages
- Pharmaceuticals and biotechnology
- Oil and gas
- Liquefied Natural Gas (LNG)
- Marine equipment
- Power and energy
- Industrial gases
- Cryogenic applications
- District energy and building automation
- Metallurgy and mining
- Pulp and paper
- Water technology
- Other industries

PRODUCTS

- Valves
- Self-operated regulators
- Actuators
- Positioners and 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 in 1916
Total plot and production area: 150,000 m²
- SAMSON France, Lyon, established in 1962
Total plot and production area: 23,400 m²
- SAMSON Turkey, Istanbul established in 1984
Total plot and production area: 11,100 m²
- SAMSON USA, Baytown, TX, established in 1992
Total plot and production area: 20,000 m²
- SAMSON China, Beijing, established in 1998
Total plot and production area: 47,000 m²
- SAMSON India, Pune district, established in 1999
Total plot and production area: 28,000 m²
- SAMSON Russia, Rostov-on-Don, established in 2015
Total plot and production area: 24,000 m²
- SAMSON AIR TORQUE, Bergamo, Italy
Total plot and production area: 27,000 m²
- SAMSON CERA SYSTEM, Hermsdorf, Germany
Total plot and production area: 14,700 m²
- SAMSON KT-ELEKTRONIK, Berlin, Germany
Total plot and production area: 1,100 m²
- SAMSON LEUSCH, Neuss, Germany
Total plot and production area: 18,400 m²
- SAMSON PFEIFFER, Kempen, Germany
Total plot and production area: 20,300 m²
- SAMSON RINGO, Zaragoza, Spain
Total plot and production area: 19,000 m²
- SAMSON SED, Bad Rappenau, Germany
Total plot and production area: 10,400 m²
- SAMSON STARLINE, Bergamo, Italy
Total plot and production area: 27,000 m²
- SAMSON VDH PRODUCTS, the Netherlands
Total plot and production area: 12,000 m²
- SAMSON VETEC, Speyer, Germany
Total plot and production area: 27,100 m²

SAMSON AKTIENGESELLSCHAFT

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