

VULCANIZING RUBBER INDUSTRY



Process Efficiency & Engineering from a Single Source

SMART IN FLOW CONTROL

RAW MATERIALS AND COOLING

PRODUCTION OF RAW MATERIALS

In many factories around the globe, SAMSON control valves are used to manufacture raw materials for the tire industry. Such plants include those to manufacture synthetic rubber (e.g. BR and SBR), silicon dioxide and various additives.

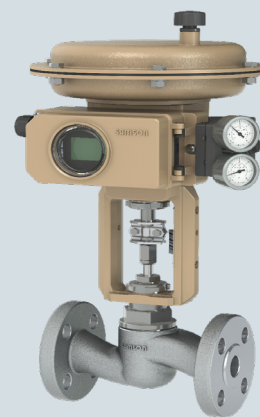
CONTROL VALVES

Series 240 and 250 Valves are especially suited for those chemical processes. Due to the vast number of possible configurations, the valves can be constructed to operate in almost all process conditions to regulate the flow rate, pressure or temperature of the medium.



TYPE 3522 "LITTLE TEX"

The SAMSON type 3522 is manufactured in the United States for light industrial applications. The compact and low profile design allows for minimal footprint making it ideal for tire curing presses. Fine-tuned control of temperature and pressure during the curing process will provide a more consistent product resulting in an increase in quality and decrease in tire scrap rate. When coupled with a SAMSON positioner, the 3522 is capable of providing precise and accurate control of temperatures and pressures with set point deviations less than 1% and a sensitivity of less than 0.1%.

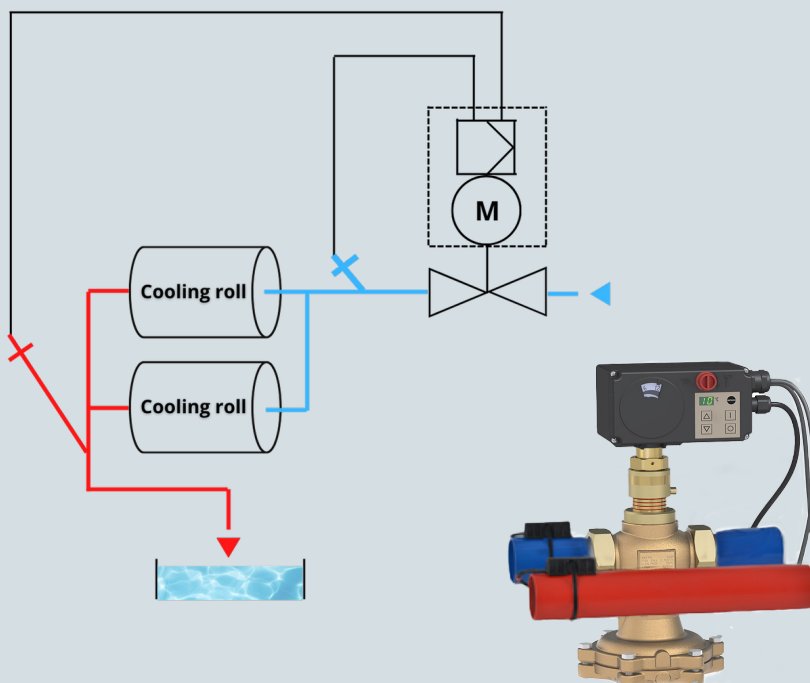


CALENDERS

Similar to the energy supply, the cooling process must be regulated.

ELECTRIC ACTUATORS WITH PROCESS CONTROLLERS

The SAMSON Type 5724-8 Electric Actuators with Process Controllers are designed especially for temperatures control loops. They come with two integrated PID control modules to implement differential temperature, override and cascade control. Together with a valve, they form an autonomous, compact control unit requiring no additional external controllers.



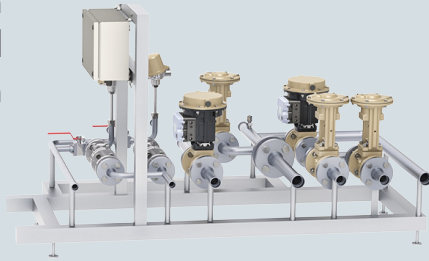
ENERGY SUPPLY

VULCANIZATION

High temperatures and pressures are required to vulcanize natural rubber into elastic rubber. SAMSON supplies customized high-quality control valves with excellent control accuracy for this process.

STEAMUNIT

The SAMSON SteamUnit is a compact unit to distribute steam and regulate processes. The setup of this ready-to-install system solution to optimize energy consumption can be configured to fit all common connection interfaces.

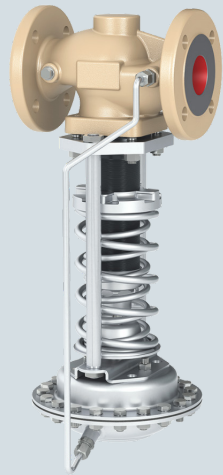


EXTRUSION

SAMSON's product portfolio includes the right equipment to heat extruders with steam. SAMSON has many years' experience in controlling steam used as the energy supply.

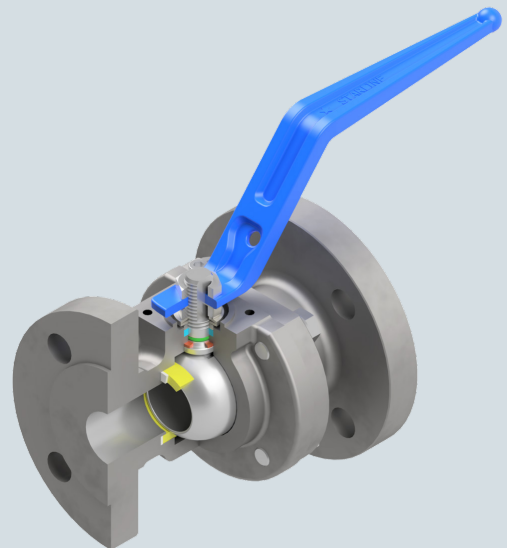
SELF-OPERATED REGULATORS

The right control valves and self-operated regulators is SAMSON's core business. The maintenance-free and easy-to-mount self-operated regulators draw their energy from the process medium to control the process.



STARLINE BALL VALVE

The Starline Splitstar ball valve is used for medium isolation. The valve is available with manual operator or rack-and-pinion actuator with direct-mount accessories that eliminates the need for extra tubing and allows for remote operation. All materials are fully forged, with increased strength and improved resistance to high temperatures and pressures. The unique encapsulated seat design allows for maximum sealing performance and resistance to wear when used in high cycling steam applications.



INTELLIGENT, COMPREHENSIVE SOLUTIONS

SAMSON

PFEIFFER · RINGO · SED · STARLINE
AIR TORQUE · CERA · VETEC · LEUSCH

SAMSON's technology has proven its value worldwide in a variety of industries. We are trusted in many of the world's most challenging applications to achieve precise control with a high level of safety and reliability.

We offer engineered solutions from a single source. With our extensive range of valves, actuators, and accessories we have the right products to suit your requirements.

Our linear and rotary control valves are equipped with SAMSON positioners that allow seamless integration into process control systems.

Continuous investment in research and development allows us to stay at the cutting edge of technology. With over 100 years of experience and expertise, you can count on SAMSON to provide a robust solution for your application.

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