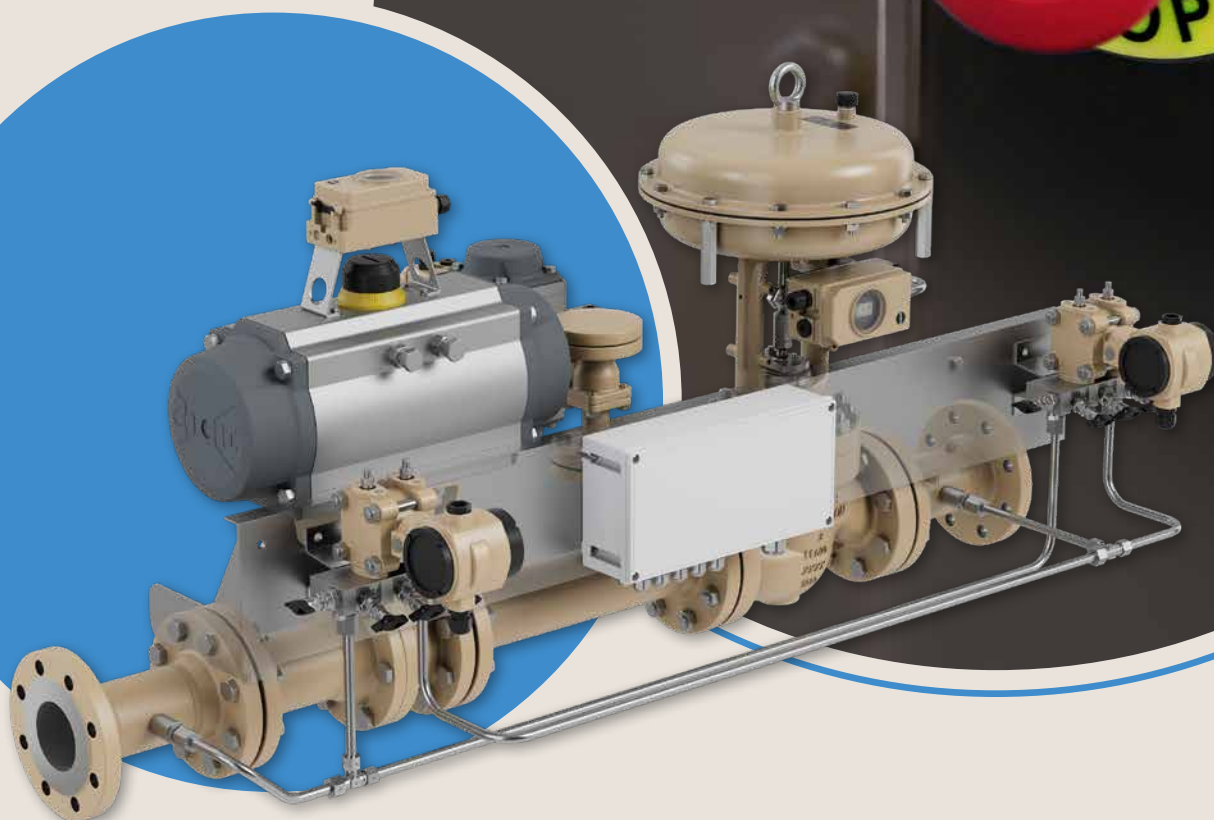


**SAMSON**

AND  
EVERYTHING  
FLOWS



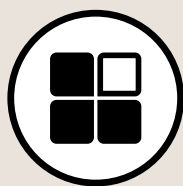
## SAMSON SAFETY- INSTRUMENTED SYSTEMS (SIS)

### REDUCE RISK. MAXIMIZE SAFETY.

- Easy start-up and maintenance by our SAMSON experts
- Certified safety
- Seamless integration into your safety concept
- High level of availability at maximum safety
- Reliable stand-alone solution
- Engineering support and documentation from a single source
- Service scheme
- Including SAMSON safety manual

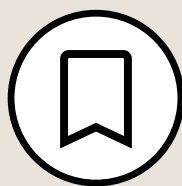
# SAMSON SAFETY-INSTRUMENTED SYSTEMS

SAMSON offers smart safety-instrumented systems (SIL 2 and SIL 3 according to IEC 61508/IEC 61511) for reliable, compliant and cost-effective service in safety-critical process – even under extreme conditions.



## Modular, scalable system architecture

Single-channel (SIL 2) and dual-channel (SIL 3) solutions available



## Certified safety according to international standards

IEC 61508 and IEC 61511 compliance



## Flexibility in device selection

Compatible with different sensor makes

Our single-channel (SIL 2) and dual channel (SIL 3) systems comprise perfectly tailored valves, control units and sensors. The safety integrity level achieved by the safety-instrumented system (including PFD values) is documented in a manufacturer's declaration.

|                              |                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Products</b>              | Type 7315, Type 7316, Type 7301, Type 7305                                                        |
| <b>Type of service</b>       | Types 7315, 7316: emergency shutdown (SIL 1/2/3), Types 7301, 7305: backflow protection (SIL 2/3) |
| <b>Version</b>               | Single-channel version SIL 1/2, dual-channel version up to SIL 3                                  |
| <b>Supply</b>                | 1.4 to 7 bar/20 to 105 psi                                                                        |
| <b>Explosion protection</b>  | Intrinsic safety (Ex i) possible                                                                  |
| <b>Limits of application</b> | DN 15 to 500, PN 16 to 400                                                                        |
| <b>Standards</b>             | ASME, IEC                                                                                         |
| <b>Documentation</b>         | Safety manual   mounting, operating and maintenance instructions   SIL certificate by SAMSON      |



Check out our website for further details