

## SAUTER DS pressure switches

### Controlling and limiting pressures with maximum reliability.

When it comes to controlling and limiting pressures, only the best quality is good enough, because there can be no compromising on the safety of people and the environment. Which is why SAUTER produces its pressure switches in its own factory. These devices protect your installation for liquids, steam or gases from excessive pressures. The SAUTER pressure switch has proven itself in the regulation, monitoring, limiting and safeguarding of increasing and decreasing pressures in different media. Even after lengthy downtimes, the mechanism reacts sensitively and reliably to the smallest pressure differences, and always exactly when required. What is more, installation, adjustment and monitoring are very

easy and reliable. As a flexible, reliable provider of original equipment, SAUTER has been supplying DS pressure switches to leading manufacturers of heating systems for many years.

### Safety and certification.

Certification and comprehensive experience – as a pressure switch specialist, SAUTER can guarantee safety. A good product is one thing. But where safety is involved, something more is needed: the certainty of having the right partner by one's side. SAUTER has more than a hundred years' experience. It's no coincidence that all the leading boiler manufacturers work with SAUTER.

### The product advantages.

- + Non-corrosive housing
- + Clear, reliable display
- + No auxiliary power: direct mechanical pressure absorption and transfer with air spring bellows
- + Pressure transducers inspected individually for tightness
- + Pressure transducers made of brass and stainless steel for use in aggressive media
- + Wide variety of uses (liquids, steam, gas)
- + Conforms to the Pressure Equipment Directive
- + TÜV-certified
- + SIL2-certified
- + Available with additional test certificates (GL, LR)

### The areas of use.

- Heating and steam boilers
- Burners
- Storage, transportation and distribution
- Industrial installations
- Ship applications






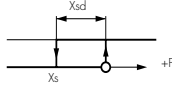
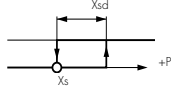
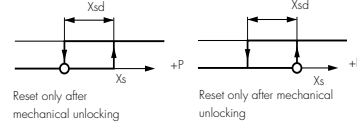


## Conformity.

With increasing requirements for the reliability and safety of installations, standards in the heating sector have also changed. In order to meet the new standard requirements, SAUTER pressure switches have been certified as per SIL2.

Our pressure switches are tested for liquids, steam and gases as per VdTÜV sheet 100 for pressure, DIN EN 12952-11 and DIN EN 12953-9, and have been designed as per Pressure Equipment Directive 97/23/EC cat. IV. They also comply with Low-voltage Directive 2006/95/EC and EMC Directive 2004/108/EC. The devices can be used as modules as per Machinery Directive 2006/42/EC, appendix II.B.

Our pressure switch is also approved by large ship classification authorities and is therefore ideally suitable for ship applications.



Type	DSA	DSB/DSF	DSL/DSH
			
Control types			
Category	Switch	Monitor (limiter)	Limiter
Sensor material	Brass	Brass or stainless steel	Brass or stainless steel
<b>Pressure ranges</b>			
Adjustable setpoint	0.5...10 bar	-1...40 bar	-1...40 bar
Switching difference	Fixed	Adjustable	Fixed
Max. pressure	20 bar	60 bar	60 bar
Max. sensor temperature	70 °C	110 °C	110 °C
Perm. ambient temperature	-20...70 °C	-20...70 °C	-20...70 °C
Approval	–		

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