

Safety EN/ASME

Test bench for safety valves



Controlled safety pressure relief System CSPRS



Mod.000 EN ASME/ANSI ASME/FNPT ASME/MNPT ASME/SW ...others to be agreed

Connection: Mechanical clamps
DN: 8 to 125

Test bench for regular inspections and setting and resetting safety valves. Ideal for distributors, maintenance companies or with in-house maintenance.

It allows safety valves to be adjusted, tested and/or checked to the test pressure (setting) P_e while cold (simulating service conditions), matching the opening pressure P_s and the closing pressure P_c , in accordance with the standard regulations.

Design in accordance with the requirements of machine directive 2006/427/EC and the pressure equipment directive (2014/68/EU).



+15°C to +30°C



200,00 bar



Air/Nitrogen

Mod. 004

Controlled safety pressure relief system CSPRS valves are mainly used where conventional direct-loaded spring action valves cannot guarantee the opening and closing margins that certain specific conditions of service demand.

The objective is to help the closure by means of pressure so that the valve remains completely watertight until reaching the set pressure and/or to activate the opening with pressure. Once evacuated and in keeping with a previous adjustment, to assist with closing pressure, to once again achieve closure with the desired watertightness.

This allows us to:

- Stabilise the functioning in critical applications of one or several valves.
- Improve performance, position, repeatability and operational efficiency.
- Improve the opening-closure hysteresis.
- Reduce product losses and minimise them in the case of working with several valves at staggered pressures, if conditions so permit.
- Increase the operating pressure of the system up to 99.9% of the set pressure.

The control safety pressure relief system CSPRS device can be used with any safety valve available in the market.