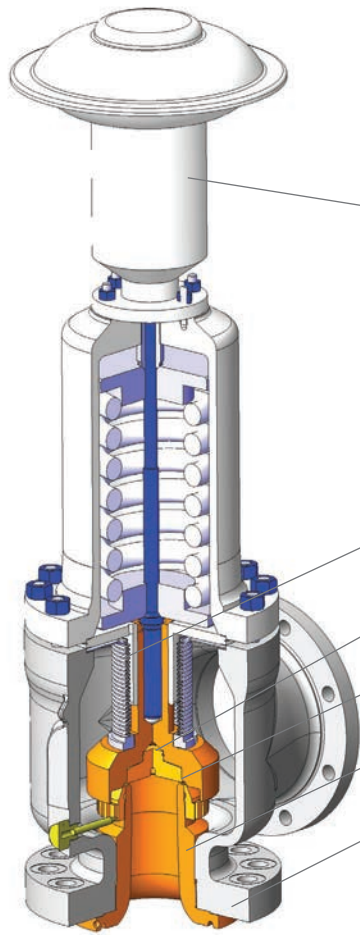


# SMU-7000/ASV & /SLSV



Actuator controlled by electronic or pneumatic devices

Bellows and piston available

Easy replaceable seat for quick maintenance and costs saving

Metal to metal seat superior tightness

Full nozzle design

Special flanges available

## Main features

These valves represent the capability of AST to develop special valves for customer needs.

### Assisted Safety Relief Valves (ASV)

This is a standard safety valve equipped with a pneumatic actuator that allows to open the valve with a pneumatic or electronic remote signal. It may be used to depressurize the vessel in case of fire or to check the functionality of the valve when the process medium tends to solidify. Overpressure can also be controlled and reduced to 2%.

The connection between the actuator and the valve stem is done in such a way that a failure of the assisting mechanism does not impair the functionality of the valve.

### Supplementary Loaded Safety Relief Valves (SLSV)

This is a standard safety valve equipped with a secondary spring and a double acting pneumatic piston controlled by a redundant system.

This valve may be used when the difference between set pressure and operating pressure is less than 10%; in this case the leakage through the seats is greatly reduced or eliminated. Blowdown can also be controlled and kept between 3 and 4%.