

# Safety

## Normal safety valve with spring loading (AN)



EP

AP

ES

CP

### Mod. 494 EN

Connection: Flange x Flange  
 DN1 x DN2: 25x25 to 200x200  
 Material:  Cast iron. PN-16  
 Nodular iron. PN-40. 350°C  
 Cast steel. PN-40  
 Stainless steel. PN-40  
 Seal:  Metal

The valve works as an automatic pressure releasing regulator activated by the static pressure existing at the entrance to the valve and is characterized by its ability to open, at the first proportional to the pressure increase, and after instantly and totally.  
 Design in accordance with "International Standard ISO 4126 -1 Safety Valves".

Depending on version



## Controlled safety pressure relief System CSPRS



### 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 and in particular, with models VYC Mod. 485, 486, 494, 495 and 496.