

Instruction for use

Conventional safety valves 471 / 472

Operation

In functioning out of visit of control

If the inlet at inlet is lower than the pressure of starting aperture: The *spring 23* plates the *disc 4* on the *seat 6* through the *disc holder 5*, through the *ball 82*, the *needle 27* and through the *support 25*. The valve does not open, she remains closed. When the pressure at inlet is upper or equivalent to the pressure of starting aperture (appreciably the set pressure), the fluid an ascending increase over the *disc 4* allowing its lifting of the *seat 6*. This movement is allowed thanks to *disc holder 5* hits which slides in the *guide 34*. This lifting will be made until the pressure of opening is reached (pressure maxi in the valve) for which the debit is nominal. When pressure falls upstream of the valve, the *disc 4* eclipses passage progressively to the point of coming to block flow (contact with the seat 6 when the pressure upper reaches is equal to the pressure of closing). After cooling, the user can bleed the pipe downstream part with the aid of the *bleeding 52*.

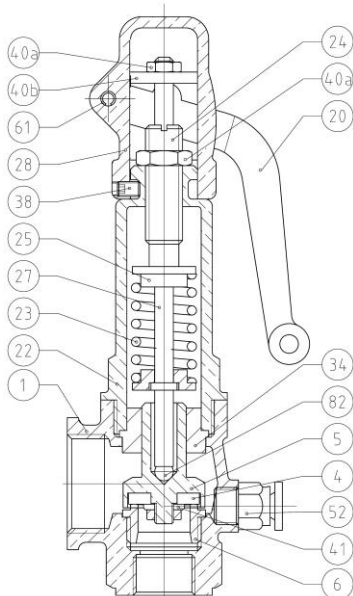
In functioning, during a visit of surveillance

To prove the good lifting of the *disc 4*, the operator operates the *lever 20* from above which turns around the *pin 61*, allowing the lifting of the *disc 4* through the *disc holder 5*, the *ball 82*, of the *needle 27*, the *nut 40a*, and *guide's nut 40b*.

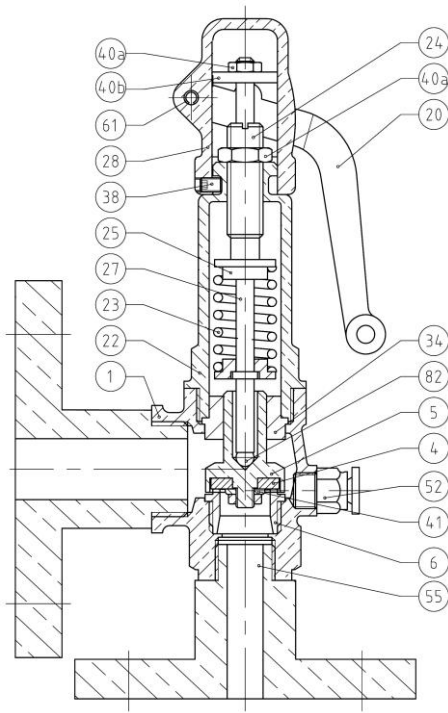
Taring

The set pressure is the operation which consists in meadow to compel the mechanism of the valve so that its opening occurs in a pressure meadow determined called pressure of taring (corresponding to the pressure of opening). This operation consists in compelling the *spring 23* with the aid of the *screw of regulating 24*, and of the *support 25*. The effort so produced plates the *disc 4*, through *disc holder 5*, of the *ball 82*, of the *needle 27*, and the *support 25* hits. To avoid any drift in the time of this taring, regulating is blocked with the aid of the *nut 40a*. To prevent any intervention of the user on this regulating, the whole is protected by the *cap 28*, which is even blocked to it by the *screw 38*. This *cap 28* is filled to certify the integrity of the taring throughout the life of the valve.

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