



AUTEXIER

**MANUFACTURER OF INDUSTRIAL MARINE AND OIL & GAS VALVES
IN BRONZE AND ALUMINIUM-BRONZE**

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Instruction for use

Conventional safety valves 360 / 460

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 *nozzle 49*, 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 *seat 6*. 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).

In functioning, during a visit of surveillance

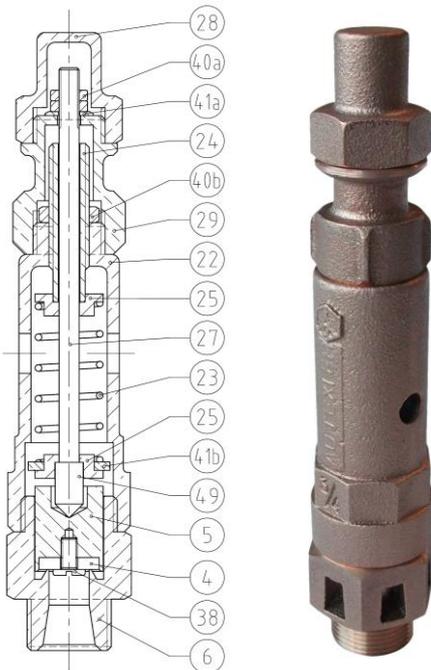
To prove the good lifting of the *disc 4*, the operator unscrew the *adjustment wheel 29* which is integral the *disc 4* through the *disc holder 5*, the *nozzle 49*, of the *needle 27*, of the *nuts 40a*, and of the *washer 41*.

Taring

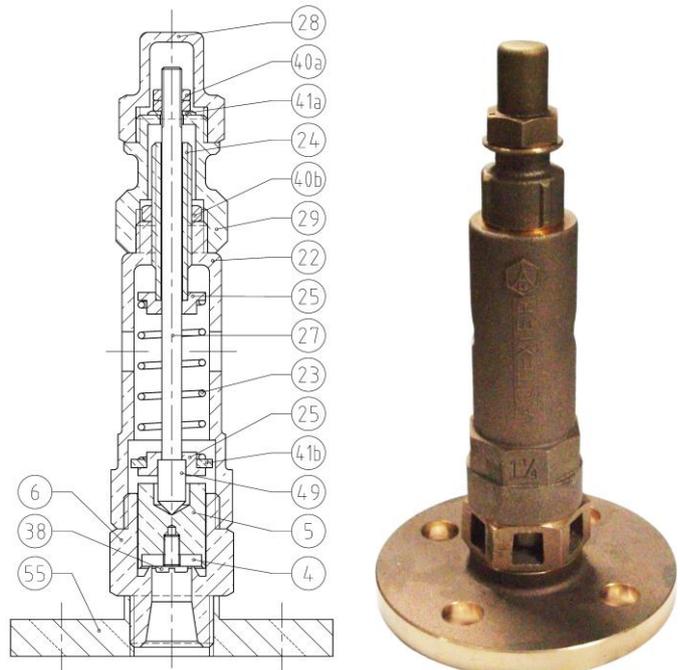
The set pressure is the operation which consists in meadow to compel the mechanism of the valve so that its opening occurs in a pressure meadow determined called pressure of taring (corresponding to the pressure of opening). This operation consists in compelling the *spring 23* with the aid of the *screw of regulating 24*, and of the *support 25*. The effort so produced plates the *disc 4*, through *disc holder 5*, of the *nozzle 49*, 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 40b*. To prevent any intervention of the user on this regulating, the whole is protected by the *cap 28*.

This *cap 28* is filled to certify the integrity of the taring throughout the life of the valve.

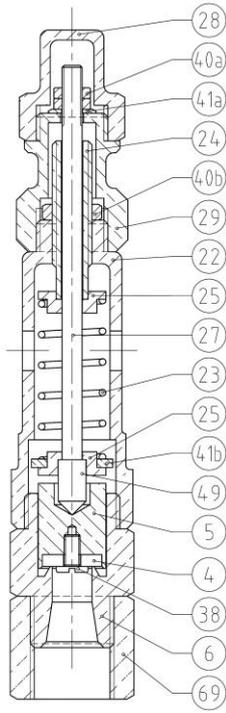
Ref. 360



Ref. 360 with flange



Ref. 460



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