



**AUTEXIER**

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

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## Instruction for use for gate valves



**89, AU89 and AN89 / 90, AU90 and AN90 / 91, AU91 and AN91 / 191, 191TB, A191, AU191 and AN191 / A1191A, AE and AS / A1191B, BE and BS / A1191C, CE and CS / A1191D, DE and DS / A1191H / A2191A, AE and AS / A2191B, BE and BS / A2191C, CE and CS / A2191D, DE and DS / A3191A and AE / A3191B and BE / A3191C and CE / A3191D and DE / A3192A and AE / A3192B and BE / A3192C and CE / A3192D and DE**

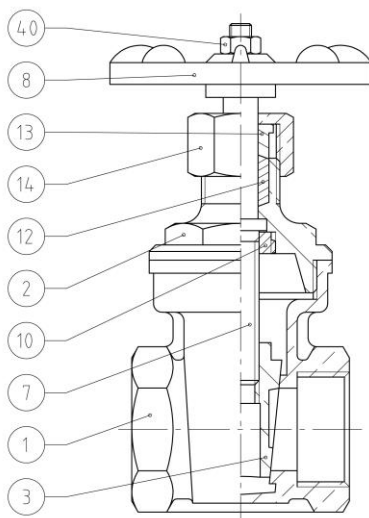
### Operation

This gate valve opens and shuts by turning the *wheel 8*. This rotation lifts or lowers the *wedge disc 3* thanks to a spiral link (screw/nut connections) between the *stem 7* and the *bonnet 2*.

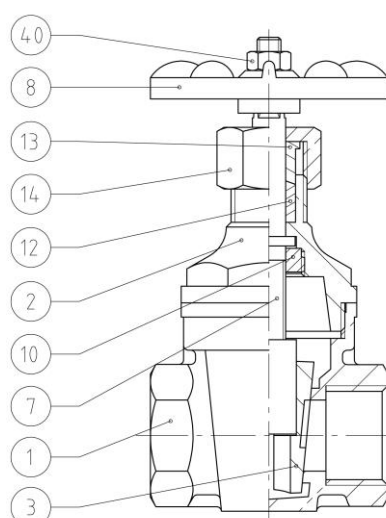
The valves A191, A1191, A2191, A3191 and A3192 can be equipped with a *bolt 85* (via the *spring pin 61* and the *bracket 89*) for putting a padlock, blocking the opening mechanism in the desired position and removing any possibility of tampering. They can also be equipped with opening indicator, when opening the valve, the *travel indicator 77* in the *guide 34* so as to discover the letter **O** and closing, the reverse movement is performed to see letter **F** appear. To enable sealing between the *wedge disc 3* and the *body 1*, the tightening torque of the steering on the DN25 must be between 8 and 11 N · m (Maximum).

The valves A2191, A3191 and A3192 have a purge system consisting of the *nozzle 28a* screwed into the *body 1*. This *nozzle 28a* is protected by the *cap 28b*, in case it is not used. To bleed the system, unscrew the *cap 28b*, partly unscrew the *nozzle 28a* and the fluid flows through a hole in the *nozzle 28a*. After this operation, screw the *nozzle 28a* to bottom, screw the *cap 28b* by putting the first *gasket 45* in place at the bottom of the *cap 28b*. The tightening torque of the A3191 Guillemin plug valves, must be included between 15 and 20 N · m (Maximum).

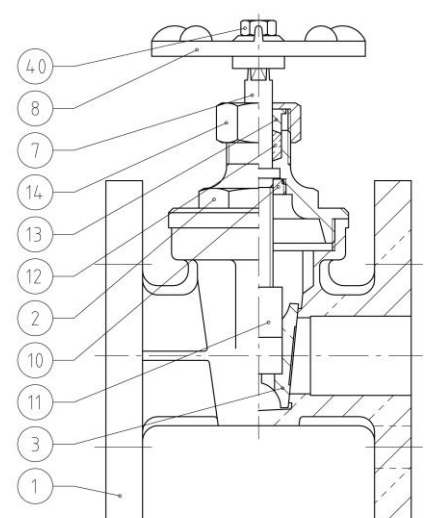
Ref. 89 / AU89 / AN89



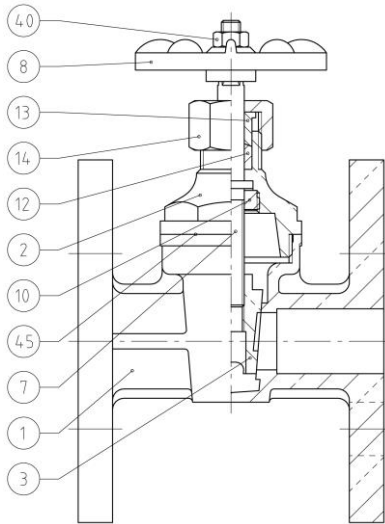
Ref. 90 / AU90 / AN90



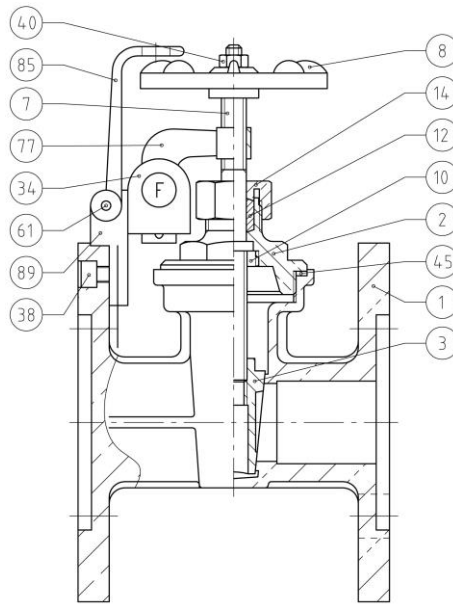
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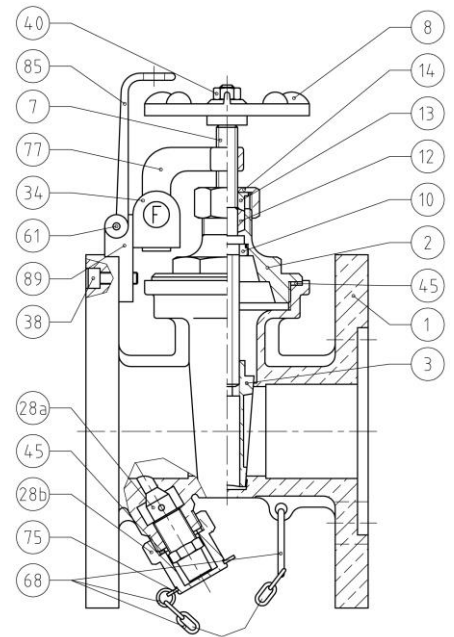
Ref. 191 / AU191 / AN191



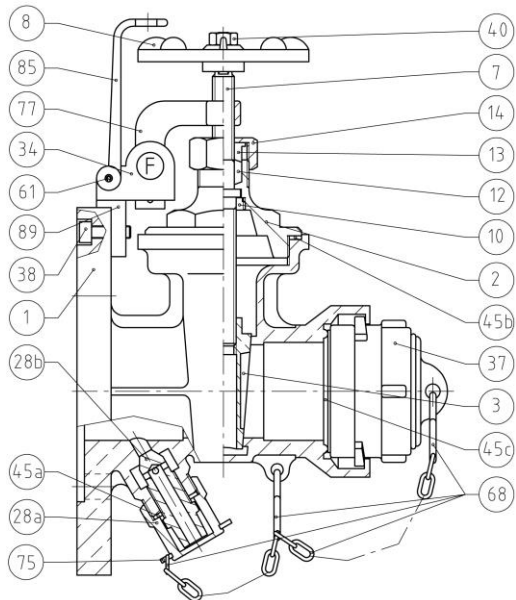
Ref. A191 / A1191



Ref. A2191



Ref. A3191



Ref. A3192

