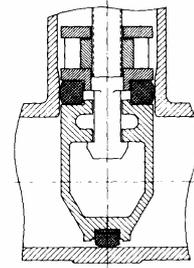


Description of design details

Valve body

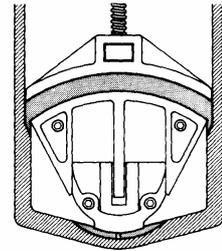
The body has no seat rings or recesses: The resulting 100% round bore keeps pressure drop to a minimum and prevents accumulation of sediments etc, that could affect the smooth operation and sealing of the valve. (Fig. 1)

Fig. 1



Smooth and accurate travel of the wedge assured by tongue type guides cast integrally with the wedge. These guides travel in grooves, cast into the valve body, ensuring smooth, accurate seating of the valve regardless of mounting position. (Fig 2)

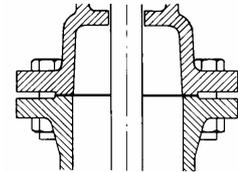
Fig. 2



Bonnet

The bonnet in all sizes of Seguro valves are of the bolted construction (see fig. 3). As standard, hot galvanised bolts are used, but other materials can be delivered. (Fig. 3)

Fig. 3

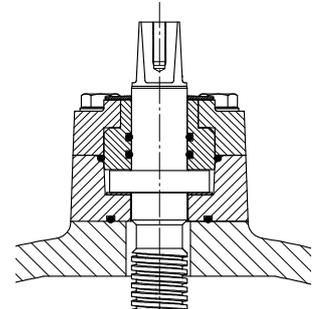


Non rising stem details

The following are valid up to and including DN 36" / DN 900mm.

The bearing assembly consists of a flanged cast iron or steel O-ring piece fastened to the bonnet with four bolts. The O-ring piece is bored and lined with a PA6 (nylon) bushing, into which two O-rings are inserted. (Fig. 4)

Fig. 4



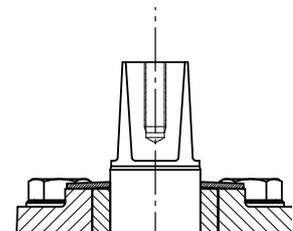
The stem is of one-piece construction with a very sturdy collar. Underneath the collar a PTFE washer is placed under; this is intended to ease operation of the valve, and, at the same time, to act as a seal between the spindle collar and the bonnet.

When the valve is fully open, the stem collar is pressed against the PTFE washer, thus sealing the valve. This facilitates the replacement of the O-rings with the valve under pressure. This is accomplished simply by removing the hand wheel and the four bolts in the O-ring piece.

As standard, valves for direct hand operating has a pyramid stem top, while stems for valves with gearbox or actuator has a cylindrical stem end and a flange according to ISO 5210

All NRS Seguro valves with hand wheel or operating square are equipped with a rubber disk fitted over the stem, flush with the O-ring piece. This prevents penetration of sediments or other foreign matter. (Fig. 5)

Fig. 5



Refer to page D3 for details on stem bearing and seal for large valves.