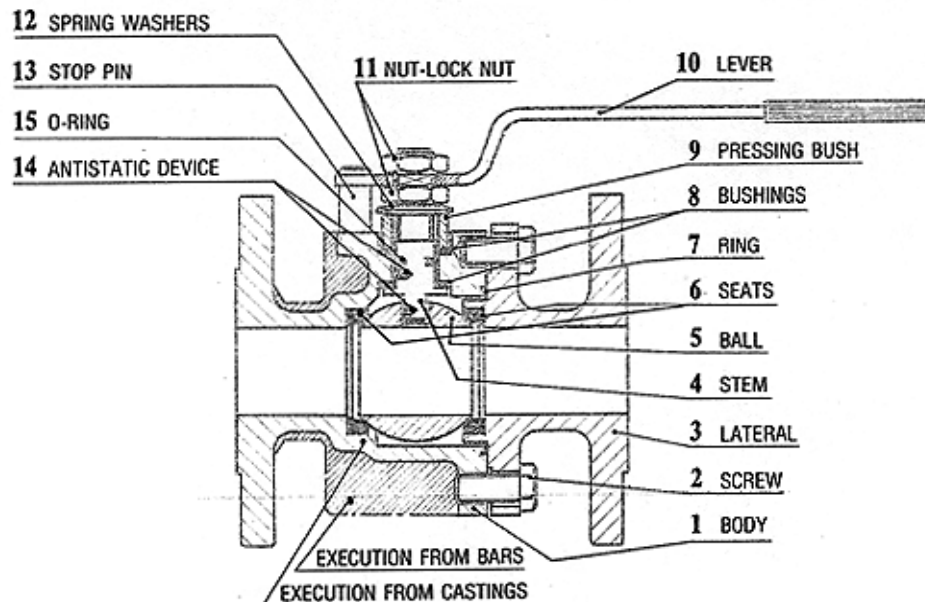


ALFA Split Body Valve Type 50-54-58-51-55-59-60-64-68-61-65-69



PREMISE regarding ball valves type ALFA 60 S.B.

ALFA Split Body ball valves type 50-54-58-51-55-59-60-64-68-61-65-69 derive from a common design, therefore the maintenance card is shared by all twelve models.

REPLACEMENT INSTRUCTIONS FOR WORN OUT PARTS

1. Remove the valve from the pipe-system.
2. Clean the residual piping product from valve, especially if toxic or harmful.
3. Block the valve in a parallel-jaw vice.
4. Unscrew the Bolts (parts n. 2) and remove the Lateral (part n. 3).
5. Raise and remove the Ring (part n. 2) with an extractor tool.
6. Set the valve in "closed position" by shifting the Lever (part n. 10) and remove the Ball (part n. 5). In this position the Tang of the Stem and the Slot of the Ball are in line with the extraction movement. Inspect the Ball's spherical surface and in case of furrows or damages, replace the Ball.
7. Raise and remove the two Seats (parts n. 6) one from the Body and the other from the Lateral with an extractor tool. Clean the Seats carefully and in case of furrows or damages replace them.
8. Unscrew and remove the Nuts (parts n. 11) from the driving Stem. Remove in succession the Spring washers (parts n. 12) the Pressing bush (parts n. 9) the Bushes (parts n. 8). Remove the Stem (part n. 4). Inspect the worn out conditions of all items and replace the damaged ones.
9. **VALVE REASSEMBLY**
The following operations up to n. 12 have to be done on bench without using the vice.
10. Take the valve Body and assemble on its housing one of the two Seats; from inside insert the Stem, on which one Bush is already assembled in its slot plus the O-RING if it exists (not illustrated in the drawing), until it emerges from stuffing box; then insert the second Bush, the Pressing bush, the Spring washers and last the Lock nut; tighten without pressing too much.
11. Insert the Ball so as its slot fits the tang of the Stem, then move the Ball in "closed position"; apply a few drops of lubricating mineral oil in order to minimize friction and help the Ball to settle with the Seats.
12. Assemble the second Seat in the Lateral housing, insert the Ring onto the Body; bring together the Lateral with the valve Body matching the threaded holes, insert the Bolts and screw them lightly using only your hands.
13. Assemble the complete unit, press firmly the valve flange onto the vice and prepare to tighten the screws using a proper spanner; proceed gradually and crosswise; arrive to final lock only when all screws (four, or eight, or sixteen according to valve diameters or ratings) are tightened so as to have the Lateral well adherent to Central body. At this point screw the locking nut on the Stem.
14. Screw the Stop Pin on top of the stuffing box plane, fit the Lever in position placing it alongside the flow of fluid with ball in "open position". Please note that to turn from "open position" to "closed position" the Lever has to be shifted clockwise. For the Stop Pin select the threaded hole close to lateral body.
15. Lock the Lever to the Stem by the Lock nut.