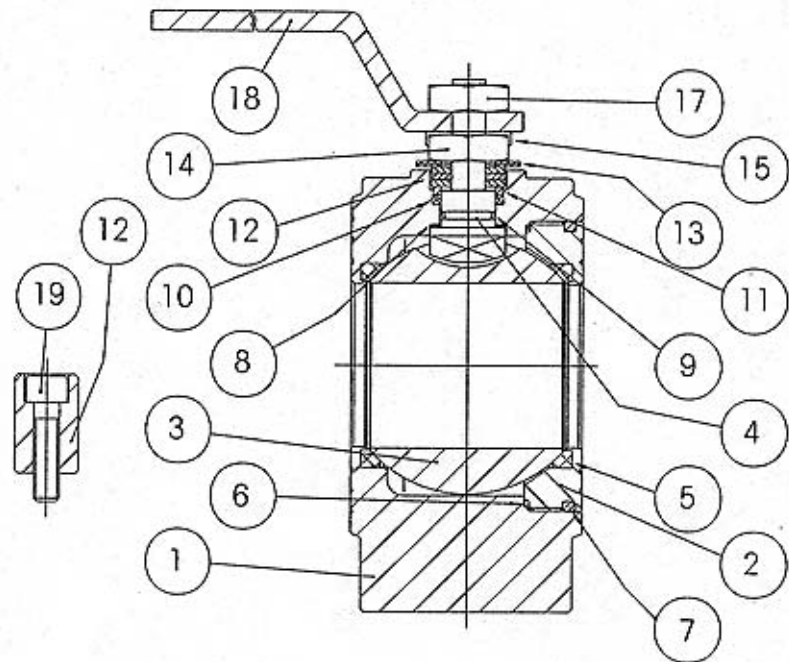


Ball Valve Model Moon

Maintenance Card for Ball Valve Type MOON

Item	Part
1	Body
2	Ring Nut
3	Ball
4	Stem
5	Seat
6	Body Seal
7	O-Ring
8	Lower Stem Rings
9	Stem O-Ring
10	Upper Sealing Couple
11	Packing Gland
12	Operation Stop
13	Belleville Washers
14	Nut
15	Fixing Nut Plate
17	Nut
18	Lever Handle
19	Bolt



EFFEBI ball valves do not require any maintenance and will be supplied completely assembled and ready to use.

After a long running period it might be necessary to change the PTFE components. In such case please proceed as follows while paying attention to the relevant rules for accident prevention.

- 1) Remove the valve from the pipe-system. Clean the residual piping product from valve, especially if toxic or harmful.
- 2) Block the valve in a parallel-jaw vice.
- 3) Rotate the ball in „closed position“ by shifting the lever.
- 4) Countersign the position of body-ring nut, marking a reference line with a marking tool.
- 5) Unscrew and remove the ring-nut (item 2) from body (item 1) with a pin spanner.
- 6) Raise and remove the body seal (item 6) with an extractor tool.
- 7) Remove the ball (item 3) and inspect its spherical surface. In case of furrows or damages the ball has to be replaced.
- 8) Raise and remove the two seats (item 5) with an extractor tool. Clean the seats carefully and in case of furrows or damages replace them.
- 9) Unscrew and remove the two nuts (items 14 + 17) from the stem (item 6). Remove the stem from inside. Inspect the worn out conditions of stem, bushes, etc. and replace the damaged ones.
- 10) After cleaning all the parts reassemble them proceeding contrary to disassemble.
- 11) Screw the ring nut (item 2) onto body with a pin spanner up to marked reference line. Check the ball rotation resistance. The power resistance has to be homogeneous during the „opening or closing“ manoeuvre of the valve.